

MLCC with dipped radial lead

(Halogen-free, automotive grade, high temperature application)

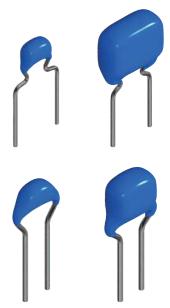
FA series (NP0, X8R)

Type: Lead pitch 5.0 mm

FA28 [4.0x5.5 mm] FA24 [4.5x5.5 mm] FA26 [5.5x6.0 mm] FA20 [5.5x7.0 mm] FA22 [7.5x8.5 mm] FA23 [8.5x11.0 mm]

Lead pitch 2.5 mm

FA18 [4.0x5.5 mm] FA14 [4.5x5.5 mm] FA16 [5.5x6.0 mm] FA11 [5.5x7.0 mm]





REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using this products.



REMINDERS

1. The products listed in this specification are intended for use in automotive applications under normal operation and usage conditions. The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality requires a more stringent level of safety or reliability, or whose failure, malfunction or defect could cause serious damage to society, person or property.

Please understand that we are not responsible for any damage or liability caused by use of the products in any of the applications below or for any other use exceeding the range or conditions set forth in this specification sheet. If you intend to use the products in the applications listed below or if you have special requirements exceeding the range or conditions set forth in this specification, please contact us.

- (1) Aerospace/aviation equipment
- (2) Transportation equipment (electric trains, ships, etc.)
- (3) Medical equipment (excepting Pharmaceutical Affairs Law classification Class1,2)
- (4) Power-generation control equipment
- (5) Atomic energy-related equipment
- (6) Seabed equipment
- (7) Transportation control equipment

- (8) Public information-processing equipment
- (9) Military equipment
- (10) Electric heating apparatus, burning equipment
- (11) Disaster prevention/crime prevention equipment
- (12) Safety equipment
- (13) Other applications that are not considered general-purpose applications

When designing your equipment even for general-purpose applications, you are kindly requested to take into consideration securing protection circuit/device or providing backup circuits in your equipment.

In addition, although the products listed in this specification are intended for use in automotive applications as described above, they are not prohibited to use in general electronic equipment, whose performance and/or quality doesn't require a more stringent level of safety or reliability, or whose failure, malfunction or defect could not cause serious damage to society, person or property. Therefore, the description of this caution will be applied, when the products are used in general electronic equipment under a normal operation and usage conditions.

- 2. We may modify products or discontinue production of a product listed in this catalog without prior notification.
- 3. We provide "Delivery Specification" that explain precautions for the specifications and safety of each product listed in this catalog. We strongly recommend that you exchange these delivery specifications with customers that use one of these products.
- 4. If you plan to export a product listed in this catalog, keep in mind that it may be a restricted item according to the "Foreign Exchange and Foreign Trade Control Law". In such cases, it is necessary to acquire export permission in harmony with this law.
- 5. Any reproduction or transferring of the contents of this catalog is prohibited without prior permission from our company.
- 6. We are not responsible for problems that occur related to the intellectual property rights or other rights of our company or a third party when you use a product listed in this catalog. We do not grant license of these rights.
- 7. This catalog only applies to products purchased through our company or one of our company's official agencies. This catalog does not apply to products that are purchased through other third parties.



MLCC with dipped radial lead

Product compatible with RoHS directive Halogen-free

Halogen-free, automotive grade, high temperature application

Overview of the FA series

FEATURES

- Operating temperature range: -55 to +150°C
- \bigcirc Voltage rating of 25V to 630V with capacitance range of 10pF to 4.7 μ F
- O AEC-Q200 compliant

APPLICATION

- O Noise reduction measures for various motors for automotive use
- O Resonant circuits in areas such as keyless entry systems
- O Bypass capacitors and smoothing capacitors for switching power sources, etc.
- O Snubber circuits
- OPFC input filters

■ PART NUMBER CONSTRUCTION

FA		2		8		NP0	1	Н	1	00		D			
Series name		ad pitch (mm)		LxWxT dimensions (mm)	ten	pacitance nperature racteristics	vo	ated Itage (V)		ominal acitance		pacitance plerance	Internal code	P	ackaging style
	1	2.5	8	4.0x5.5x2.5	NP0	0±30ppm/°C	1E	25	100	10pF	D	±0.5pF		0	Bulk
	2	5.0	4	4.5x5.5x3.0	X8R	±15%	1H	50	101	100pF	J	±5%		6	Taping
			6	5.5x6.0x3.5			2A	100	102	1,000pF	K	±10%			
			0	5.5x7.0x4.0			2E	250	105	1uF					
			1	5.5x7.0x4.0			2W	450							
			2	7.5x8.5x4.5			2J	630							
			3	8.5x11.0x5.5											

■ OPERATING TEMPERATURE RANGE

Capacitance temperature	Temperature range*			
characteristics	Operating temperature	Storage temperature**		
onuraoteriotios	(°C)	(°C)		
NP0, X8R	-55 to +150	-55 to +150		

^{*}The maximum operating temperature includes capacitor self-generated heat of up to 20°C.

^{**}The storage temperature range is for after the circuit board is mounted.

RoHS Directive Compliant Product: See the following for more details. https://product.tdk.com/info/en/environment/rohs/index.html

O Halogen-free: indicates that CI content is less than 900ppm, Br content is less than 900ppm, and that the total CI and Br content is less than 1500ppm.

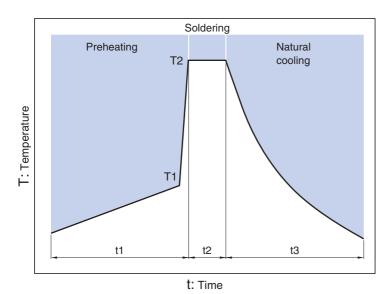


Overview of the FA series

PACKAGE QUANTITY

Type	Package quantity					
Type	Taping (pieces / box)	Bulk (pieces / bag)				
FA28	2000	500				
FA24	2000	500				
FA26	2000	500				
FA20	1500	500				
FA22	1000	500				
FA23	1000	200				
FA18	2000	500				
FA14	2000	500				
FA16	2000	500				
FA11	1500	500				

■ RECOMMENDED FLOW PROFILE



Preheating		Peak		Natural cooling
Temp.	Time	Temp.	Time	Time
T1	t1	T2	t2	t3
110°C min.	Over 60s.	260°C	Within 5s.	Over 60s.

Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.











ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature	Capacitance	Tolerance	Rated voltage	Part No.*
characteristics	·		Edc (V)	
NP0	10pF	±0.5pF	50	FA28NP01H100DNU0 **
NP0	15pF	±5%	50	FA28NP01H150JNU0
NP0	22pF	±5%	50	FA28NP01H220JNU0
NP0	33pF	±5%	50	FA28NP01H330JNU0
NP0	47pF	±5%	50	FA28NP01H470JNU0□
NP0	68pF	±5%	50	FA28NP01H680JNU0
NP0	100pF	±5%	50	FA28NP01H101JNU0
NP0	120pF	±5%	50	FA28NP01H121JNU0
NP0	150pF	±5%	50	FA28NP01H151JNU0
NP0	180pF	±5%	50	FA28NP01H181JNU0
NP0	220pF	±5%	50	FA28NP01H221JNU0
NP0	270pF	±5%	50	FA28NP01H271JNU0
NP0	330pF	±5%	50	FA28NP01H331JNU0
NP0	390pF	±5%	50	FA28NP01H391JNU0
NP0	470pF	±5%	50	FA28NP01H471JNU0
NP0	560pF	±5%	50	FA28NP01H561JNU0
NP0	680pF	±5%	50	FA28NP01H681JNU0
NP0	820pF	±5%	50	FA28NP01H821JNU0
NP0	1nF	±5%	50	FA28NP01H102JNU0
NP0	1.2nF	±5%	50	FA28NP01H122JNU0
NP0	1.5nF	±5%	50	FA28NP01H152JNU0
NP0	1.8nF	±5%	50	FA28NP01H182JNU0
NP0	2.2nF	±5%	50	FA28NP01H222JNU0
NP0	2.7nF	±5%	50	FA28NP01H272JNU0
NP0	3.3nF	±5%	50	FA28NP01H332JNU0
NP0	3.9nF	±5%	50	FA28NP01H392JNU0
NP0	4.7nF	±5%	50	FA28NP01H472JNU0
NP0	5.6nF	±5%	50	FA28NP01H562JNU0
NP0	6.8nF	±5%	50	FA28NP01H682JNU0
NP0	8.2nF	±5%	50	FA28NP01H822JNU0
NP0	10nF	±5%	50	FA28NP01H103JNU0
NP0	10pF	±0.5pF	100	FA28NP02A100DNU0
NP0	15pF	±5%	100	FA28NP02A150JNU0
NP0	22pF	±5%	100	FA28NP02A220JNU0
NP0	33pF	±5%	100	FA28NP02A330JNU0
NP0	47pF	±5%	100	FA28NP02A470JNU0
NP0	68pF	±5%	100	FA28NP02A680JNU0
NP0	100pF	±5%	100	FA28NP02A101JNU0
NP0	120pF	±5%	100	FA28NP02A121JNU0
NP0	150pF	±5%	100	FA28NP02A151JNU0
NP0	180pF	±5%	100	FA28NP02A181JNU0
NP0	220pF	±5%	100	FA28NP02A221JNU0
NP0	270pF	±5%	100	FA28NP02A271JNU0
NP0	330pF	±5%	100	FA28NP02A331JNU0
NP0	390pF	±5%	100	FA28NP02A391JNU0
NP0	470pF	±5%	100	FA28NP02A471JNU0
NP0	560pF	±5%	100	FA28NP02A561JNU0
NP0	680pF	±5%	100	FA28NP02A681JNU0
NP0	820pF	±5% ±5%	100	FA28NP02A681JNU0
141 0	020pi	±3 70	100	FAZONFUZAOZ IJINUUL

^{*} The part numbers are TDK's standard specification products.

^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).



ELECTRICAL CHARACTERISTICS

□ CHARACTERISTICS SPECIFICATION TABLE CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
NP0	1nF	±5%	100	FA28NP02A102JNU0 = **
NP0	1.2nF	±5%	100	FA28NP02A122JNU0
NP0	1.5nF	±5%	100	FA28NP02A152JNU0
NP0	1.8nF	±5%	100	FA28NP02A182JNU0
NP0	2.2nF	±5%	100	FA28NP02A222JNU0
NP0	2.7nF	±5%	100	FA28NP02A272JNU0
NP0	3.3nF	±5%	100	FA28NP02A332JNU0
NP0	820pF	±5%	250	FA28NP02E821JNU0
NP0	1nF	±5%	250	FA28NP02E102JNU0
NP0	1.2nF	±5%	250	FA28NP02E122JNU0
NP0	1.5nF	±5%	250	FA28NP02E152JNU0
NP0	1.8nF	±5%	250	FA28NP02E182JNU0
NP0	2.2nF	±5%	250	FA28NP02E222JNU0

^{*} The part numbers are TDK's standard specification products.

^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).



ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLE

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
X8R	68nF	±10%	25	FA28X8R1E683KNU0 = **
X8R	100nF	±10%	25	FA28X8R1E104KNU0□
X8R	150nF	±10%	25	FA28X8R1E154KRU0□
X8R	220nF	±10%	25	FA28X8R1E224KRU0□
X8R	1nF	±10%	50	FA28X8R1H102KNU0
X8R	1.5nF	±10%	50	FA28X8R1H152KNU0
X8R	2.2nF	±10%	50	FA28X8R1H222KNU0
X8R	3.3nF	±10%	50	FA28X8R1H332KNU0□
X8R	4.7nF	±10%	50	FA28X8R1H472KNU0□
X8R	6.8nF	±10%	50	FA28X8R1H682KNU0□
X8R	10nF	±10%	50	FA28X8R1H103KNU0
X8R	15nF	±10%	50	FA28X8R1H153KNU0
X8R	22nF	±10%	50	FA28X8R1H223KNU0
X8R	33nF	±10%	50	FA28X8R1H333KNU0□
X8R	47nF	±10%	50	FA28X8R1H473KNU0□
X8R	68nF	±10%	50	FA28X8R1H683KRU0□
X8R	100nF	±10%	50	FA28X8R1H104KRU0□
X8R	1nF	±10%	100	FA28X8R2A102KNU0□
X8R	1.5nF	±10%	100	FA28X8R2A152KNU0
X8R	2.2nF	±10%	100	FA28X8R2A222KNU0
X8R	3.3nF	±10%	100	FA28X8R2A332KNU0
X8R	4.7nF	±10%	100	FA28X8R2A472KNU0
X8R	6.8nF	±10%	100	FA28X8R2A682KNU0□
X8R	10nF	±10%	100	FA28X8R2A103KNU0
X8R	15nF	±10%	100	FA28X8R2A153KNU0
X8R	22nF	±10%	100	FA28X8R2A223KRU0
X8R	33nF	±10%	100	FA28X8R2A333KRU0□

 $^{^{\}star}$ The part numbers are TDK's standard specification products.

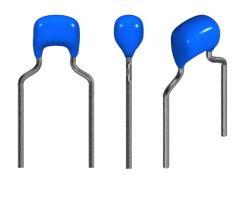
^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).



FA24 type









FA24 type

ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
NP0	15nF	±5%	50	FA24NP01H153JNU0 = **
NP0	22nF	±5%	50	FA24NP01H223JNU0
NP0	33nF	±5%	50	FA24NP01H333JNU0
NP0	3.9nF	±5%	100	FA24NP02A392JNU0
NP0	4.7nF	±5%	100	FA24NP02A472JNU0
NP0	5.6nF	±5%	100	FA24NP02A562JNU0
NP0	6.8nF	±5%	100	FA24NP02A682JNU0
NP0	8.2nF	±5%	100	FA24NP02A822JNU0
NP0	10nF	±5%	100	FA24NP02A103JNU0
NP0	3.3nF	±5%	250	FA24NP02E332JNU0
NP0	3.9nF	±5%	250	FA24NP02E392JNU0
NP0	4.7nF	±5%	250	FA24NP02E472JNU0
NP0	5.6nF	±5%	250	FA24NP02E562JNU0
NP0	6.8nF	±5%	250	FA24NP02E682JNU0
NP0	8.2nF	±5%	250	FA24NP02E822JNU0
NP0	10nF	±5%	250	FA24NP02E103JNU0
NP0	100pF	±5%	450	FA24NP02W101JNU0
NP0	120pF	±5%	450	FA24NP02W121JNU0
NP0	150pF	±5%	450	FA24NP02W151JNU0
NP0	180pF	±5%	450	FA24NP02W181JNU0
NP0	220pF	±5%	450	FA24NP02W221JNU0
NP0	270pF	±5%	450	FA24NP02W271JNU0
NP0	330pF	±5%	450	FA24NP02W331JNU0
NP0	390pF	±5%	450	FA24NP02W391JNU0
NP0	470pF	±5%	450	FA24NP02W471JNU0
NP0	560pF	±5%	450	FA24NP02W561JNU0
NP0	680pF	±5%	450	FA24NP02W681JNU0
NP0	820pF	±5%	450	FA24NP02W821JNU0
NP0	1nF	±5%	450	FA24NP02W102JNU0
NP0	1.2nF	±5%	450	FA24NP02W122JNU0
NP0	1.5nF	±5%	450	FA24NP02W152JNU0
NP0	1.8nF	±5%	450	FA24NP02W182JNU0
NP0	2.2nF	±5%	450	FA24NP02W222JNU0
NP0	2.7nF	±5%	450	FA24NP02W272JNU0
NP0	3.3nF	±5%	450	FA24NP02W332JNU0
NP0	3.9nF	±5%	450	FA24NP02W392JNU0
NP0	4.7nF	±5%	450	FA24NP02W472JNU0
NP0	5.6nF	±5%	450	FA24NP02W562JNU0

^{*} The part numbers are TDK's standard specification products.

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
X8R	150nF	±10%	25	FA24X8R1E154KNU0 =**
X8R	220nF	±10%	25	FA24X8R1E224KNU0
X8R	330nF	±10%	25	FA24X8R1E334KNU0
X8R	470nF	±10%	25	FA24X8R1E474KRU0
X8R	68nF	±10%	50	FA24X8R1H683KNU0
X8R	100nF	±10%	50	FA24X8R1H104KNU0
X8R	150nF	±10%	50	FA24X8R1H154KRU0
X8R	220nF	±10%	50	FA24X8R1H224KRU0
X8R	22nF	±10%	100	FA24X8R2A223KNU0
X8R	47nF	±10%	100	FA24X8R2A473KRU0
X8R	68nF	±10%	100	FA24X8R2A683KRU0

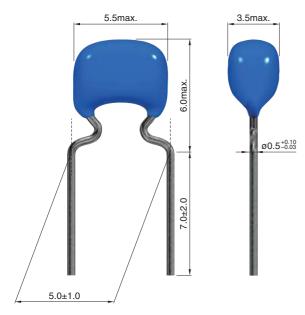
^{*} The part numbers are TDK's standard specification products.

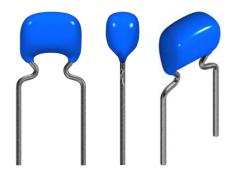
^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).

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FA26 type





Dimensions in mm



FA26 type

ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
NP0	47nF	±5%	50	FA26NP01H473JNU0 = **
NP0	68nF	±5%	50	FA26NP01H683JNU0
NP0	100nF	±5%	50	FA26NP01H104JNU0
NP0	15nF	±5%	100	FA26NP02A153JNU0
NP0	22nF	±5%	100	FA26NP02A223JNU0
NP0	33nF	±5%	100	FA26NP02A333JNU0
NP0	15nF	±5%	250	FA26NP02E153JNU0
NP0	22nF	±5%	250	FA26NP02E223JNU0
NP0	6.8nF	±5%	450	FA26NP02W682JNU0
NP0	8.2nF	±5%	450	FA26NP02W822JNU0
NP0	10nF	±5%	450	FA26NP02W103JNU0
NP0	15nF	±5%	450	FA26NP02W153JNU0
NP0	3.9nF	±5%	630	FA26NP02J392JNU0
NP0	4.7nF	±5%	630	FA26NP02J472JNU0
NP0	5.6nF	±5%	630	FA26NP02J562JNU0
NP0	6.8nF	±5%	630	FA26NP02J682JNU0
NP0	8.2nF	±5%	630	FA26NP02J822JNU0
NP0	10nF	±5%	630	FA26NP02J103JNU0

^{*} The part numbers are TDK's standard specification products.

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
X8R	470nF	±10%	25	FA26X8R1E474KNU0 = **
X8R	680nF	±10%	25	FA26X8R1E684KNU0
X8R	1uF	±10%	25	FA26X8R1E105KNU0
X8R	1.5uF	±10%	25	FA26X8R1E155KRU0
X8R	2.2uF	±10%	25	FA26X8R1E225KRU0
X8R	150nF	±10%	50	FA26X8R1H154KNU0
X8R	220nF	±10%	50	FA26X8R1H224KNU0
X8R	330nF	±10%	50	FA26X8R1H334KNU0
X8R	470nF	±10%	50	FA26X8R1H474KNU0
X8R	680nF	±10%	50	FA26X8R1H684KRU0□
X8R	1uF	±10%	50	FA26X8R1H105KRU0□
X8R	33nF	±10%	100	FA26X8R2A333KNU0
X8R	47nF	±10%	100	FA26X8R2A473KNU0
X8R	68nF	±10%	100	FA26X8R2A683KNU0
X8R	100nF	±10%	100	FA26X8R2A104KNU0
X8R	150nF	±10%	100	FA26X8R2A154KNU0
X8R	220nF	±10%	100	FA26X8R2A224KRU0
X8R	330nF	±10%	100	FA26X8R2A334KRU0□

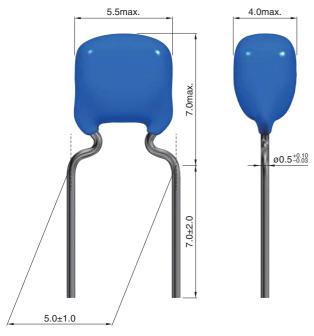
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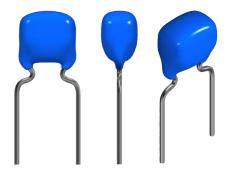
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FA20 type







FA20 type

ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
NP0	68nF	±5%	100	FA20NP02A683JNU0 = **
NP0	33nF	±5%	250	FA20NP02E333JNU0
NP0	47nF	±5%	250	FA20NP02E473JNU0
NP0	22nF	±5%	450	FA20NP02W223JNU0
NP0	33nF	±5%	450	FA20NP02W333JNU0
NP0	15nF	±5%	630	FA20NP02J153JNU0
NP0	22nF	±5%	630	FA20NP02J223JNU0
NP0	33nF	±5%	630	FA20NP02J333JNU0

^{*} The part numbers are TDK's standard specification products.

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
X8R	1.5uF	±10%	25	FA20X8R1E155KNU0 = **
X8R	2.2uF	±10%	25	FA20X8R1E225KNU0
X8R	3.3uF	±10%	25	FA20X8R1E335KNU0
X8R	4.7uF	±10%	25	FA20X8R1E475KRU0
X8R	470nF	±10%	100	FA20X8R2A474KRU0
X8R	680nF	±10%	100	FA20X8R2A684KRU0

 $^{^{\}star}$ The part numbers are TDK's standard specification products.

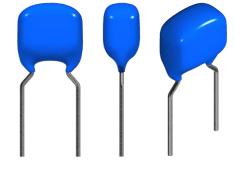
^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).

^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).



FA22 type





Dimensions in mm



FA22 type

ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
NP0	68nF	±5%	250	FA22NP02E683JRU0 = **
NP0	100nF	±5%	250	FA22NP02E104JRU0□
NP0	47nF	±5%	450	FA22NP02W473JNU0
NP0	68nF	±5%	450	FA22NP02W683JNU0
NP0	47nF	±5%	630	FA22NP02J473JNU0

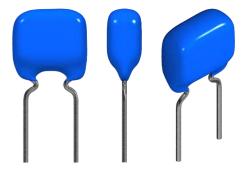
^{*} The part numbers are TDK's standard specification products.

^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).



FA23 type





Dimensions in mm



FA23 type

ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
NP0	150nF	±5%	100	FA23NP02A154JNU0 = **
NP0	150nF	±5%	250	FA23NP02E154JRU0□
NP0	100nF	±5%	450	FA23NP02W104JNU0

^{*} The part numbers are TDK's standard specification products.

^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).



FA18 type





Dimonolono in min



FA18 type

ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

NPO	Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
NPO 22PF ±5% 50 FA18NPO1H32QJNUO NPO 33PF ±5% 50 FA18NPO1H32QJNUO NPO 47PF ±5% 50 FA18NPO1H3QJNUO NPO 68PF ±5% 50 FA18NPO1H3QJNUO NPO 68PF ±5% 50 FA18NPO1H3QJNUO NPO 100PF ±5% 50 FA18NPO1H3QJNUO NPO 120PF ±5% 50 FA18NPO1H3QJNUO NPO 120PF ±5% 50 FA18NPO1H15JJNUO NPO 120PF ±5% 50 FA18NPO1H3JJNUO NPO 150PF ±5% 50 FA18NPO1H3JJNUO NPO 180PF ±5% 50 FA18NPO1H3JJNUO NPO 180PF ±5% 50 FA18NPO1H3JJNUO NPO 220PF ±5% 50 FA18NPO1H3JJNUO NPO 270PF ±5% 50 FA18NPO1H3JJNUO NPO 270PF ±5% 50 FA18NPO1H3JJNUO NPO 270PF ±5% 50 FA18NPO1H3JJNUO NPO 330PF ±5% 50 FA18NPO1H3JJNUO NPO 350PF ±5% 50 FA18NPO1H3JJNUO NPO 15PF ±5% 50 FA18NPO1H3JJNUO NPO 25PF ±5% 50 FA18NPO1H3JJNUO NPO 15PF ±5% 50 FA18NPO1H3JJNUO NPO 35PF ±5% 50 FA18NPO1H3JJNU	NP0	10pF	±0.5pF	50	FA18NP01H100DNU0 = **
NPO	NP0	15pF	±5%	50	FA18NP01H150JNU0
NPO 47pF ±5% 50 FA18NPO1H8ZUNUO□ NPO 68pF ±5% 50 FA18NPO1H8GUNUO□ NPO 100pF ±5% 50 FA18NPO1H9GUNUO□ NPO 120pF ±5% 50 FA18NPO1H15U.NUO□ NPO 150pF ±5% 50 FA18NPO1H15U.NUO□ NPO 150pF ±5% 50 FA18NPO1H15U.NUO□ NPO 180pF ±5% 50 FA18NPO1H15U.NUO□ NPO 270pF ±5% 50 FA18NPO1H18U.NUO□ NPO 270pF ±5% 50 FA18NPO1H18U.NUO□ NPO 330pF ±5% 50 FA18NPO1H3U.NUO□ NPO 330pF ±5% 50 FA18NPO1H3U.NUO□ NPO 330pF ±5% 50 FA18NPO1H3U.NUO□ NPO 350pF ±5% 50 FA18NPO1H3U.NUO□ NPO 470pF ±5% 50 FA18NPO1H3U.NUO□ NPO 470pF ±5% 50 FA18NPO1H3U.NUO□ NPO 470pF ±5% 50 FA18NPO1H3U.NUO□ NPO 680pF ±5% 50 FA18NPO1H3U.NUO□ NPO 680pF ±5% 50 FA18NPO1H3U.NUO□ NPO 680pF ±5% 50 FA18NPO1H3U.NUO□ NPO 10F ±5% 50 FA18NPO1H3U.NUO□ NPO 110F ±5% 50 FA18NPO1H3U.NUO□ NPO 110F ±5% 50 FA18NPO1H3U.NUO□ NPO 11.2nF ±5% 50 FA18NPO1H3U.NUO□ NPO 1.2nF ±5% 50 FA18NPO1H3U.NUO□ NPO 1.3nF ±5% 50 FA18NPO1H3U.NUO□ NPO 1.5nF ±5% 50 FA18NPO1H3U.NUO□ NPO 3.3nF ±5% 50 FA18NPO1H3U.NUO□ NPO	NP0	22pF		50	FA18NP01H220JNU0
NPO 689F ±5% 50 FA18NPO1H680.NUO□ NPO 100pF ±5% 50 FA18NPO1H680.NUO□ NPO 120pF ±5% 50 FA18NPO1H151.NUO□ NPO 150pF ±5% 50 FA18NPO1H151.NUO□ NPO 150pF ±5% 50 FA18NPO1H151.NUO□ NPO 150pF ±5% 50 FA18NPO1H151.NUO□ NPO 220pF ±5% 50 FA18NPO1H151.NUO□ NPO 220pF ±5% 50 FA18NPO1H181.NUO□ NPO 270pF ±5% 50 FA18NPO1H31.NUO□ NPO 330pF ±5% 50 FA18NPO1H331.NUO□ NPO 330pF ±5% 50 FA18NPO1H331.NUO□ NPO 330pF ±5% 50 FA18NPO1H331.NUO□ NPO 350pF ±5% 50 FA18NPO1H331.NUO□ NPO 470pF ±5% 50 FA18NPO1H331.NUO□ NPO 560pF ±5% 50 FA18NPO1H331.NUO□ NPO 560pF ±5% 50 FA18NPO1H381.NUO□ NPO 560pF ±5% 50 FA18NPO1H381.NUO□ NPO 560pF ±5% 50 FA18NPO1H381.NUO□ NPO 10pF ±5% 50 FA18NPO1H381.NUO□ NPO 11pF ±5% 50 FA18NPO1H382.NUO□ NPO 12pF ±5% 50 FA18NPO1H382.NUO□ NPO 1.5nF ±5% 50 FA18NPO1H382.NUO□ NPO 1.5nF ±5% 50 FA18NPO1H382.NUO□ NPO 1.5nF ±5% 50 FA18NPO1H382.NUO□ NPO 2.2nF ±5% 50 FA18NPO1H382.NUO□ NPO 3.3nF ±5% 50 FA18NPO1H382.NUO□ NPO 3.3nF ±5% 50 FA18NPO1H382.NUO□ NPO 3.5nF ±5% 50 FA18NPO1H382.NUO□ NPO 5.6nF ±5% 50 FA18NPO1	NP0	33pF	±5%	50	FA18NP01H330JNU0
NPO 689F ±5% 50 FA18NPO1H88QJNUO□ NPO 120PF ±5% 50 FA18NPO1H121JNUO□ NPO 120PF ±5% 50 FA18NPO1H121JNUO□ NPO 150PF ±5% 50 FA18NPO1H121JNUO□ NPO 150PF ±5% 50 FA18NPO1H121JNUO□ NPO 120PF ±5% 50 FA18NPO1H121JNUO□ NPO 220PF ±5% 50 FA18NPO1H21JNUO□ NPO 220PF ±5% 50 FA18NPO1H221JNUO□ NPO 330PF ±5% 50 FA18NPO1H221JNUO□ NPO 330PF ±5% 50 FA18NPO1H231JNUO□ NPO 330PF ±5% 50 FA18NPO1H331JNUO□ NPO 350PF ±5% 50 FA18NPO1H331JNUO□ NPO 350PF ±5% 50 FA18NPO1H331JNUO□ NPO 470PF ±5% 50 FA18NPO1H331JNUO□ NPO 560PF ±5% 50 FA18NPO1H331JNUO□ NPO 560PF ±5% 50 FA18NPO1H351JNUO□ NPO 560PF ±5% 50 FA18NPO1H351JNUO□ NPO 820PF ±5% 50 FA18NPO1H32JNUO□ NPO 112PF ±5% 50 FA18NPO1H32JNUO□ NPO 15PF ±5% 50 FA18NPO1H32JNUO□ NPO 15PF ±5% 50 FA18NPO1H32JNUO□ NPO 1.5PF ±5% 50 FA18NPO1H32JNUO□ NPO 2.2PF ±5% 50 FA18NPO1H32JNUO□ NPO 2.2PF ±5% 50 FA18NPO1H32JNUO□ NPO 3.3PF ±5% 50 FA18NPO1H32JNUO□ NPO 5.6PF ±5% 50 FA18NPO1H	NP0	47pF	±5%	50	FA18NP01H470JNU0
NPO 120pF ±5% 50 FA18NP01H121NU0□ NPO 150pF ±5% 50 FA18NP01H121NU0□ NPO 150pF ±5% 50 FA18NP01H131NU0□ NPO 220pF ±5% 50 FA18NP01H221NU0□ NPO 220pF ±5% 50 FA18NP01H221NU0□ NPO 220pF ±5% 50 FA18NP01H221NU0□ NPO 330pF ±5% 50 FA18NP01H271NU0□ NPO 330pF ±5% 50 FA18NP01H271NU0□ NPO 330pF ±5% 50 FA18NP01H331NU0□ NPO 350pF ±5% 50 FA18NP01H331NU0□ NPO 470pF ±5% 50 FA18NP01H331NU0□ NPO 470pF ±5% 50 FA18NP01H331NU0□ NPO 470pF ±5% 50 FA18NP01H321NU0□ NPO 11pF ±5% 50 FA18NP01H321NU0□ NPO 120pF ±5% 50 FA18NP01H321NU0□ NPO 120pF ±5% 50 FA18NP01H321NU0□ NPO 120pF ±5% 50 FA18NP01H322NU0□ NPO 1.5nF ±5% 50 FA18NP01H32NU0□ NPO 2.2nF ±5% 50 FA18NP01H32NU0□ NPO 2.3nF ±5% 50 FA18NP01H32NU0□ NPO 2.3nF ±5% 50 FA18NP01H32NU0□ NPO 3.3nF ±5% 50 FA18NP01H32NU0□ NPO 5.6nF ±5% 50 FA18NP02A15NU0□ NPO 5.60pF ±5% 100 FA18NP02A391NU0□ NPO 5.60pF ±5% 100 FA18NP02A391NU0	NP0	68pF	±5%	50	
NPO 150pF ±5% 50 FA18NP01H151JNU0□ NPO 180pF ±5% 50 FA18NP01H151JNU0□ NPO 180pF ±5% 50 FA18NP01H181JNU0□ NPO 220pF ±5% 50 FA18NP01H271JNU0□ NPO 330pF ±5% 50 FA18NP01H271JNU0□ NPO 330pF ±5% 50 FA18NP01H37JJNU0□ NPO 330pF ±5% 50 FA18NP01H37JJNU0□ NPO 330pF ±5% 50 FA18NP01H37JJNU0□ NPO 350pF ±5% 50 FA18NP01H37JJNU0□ NPO 470pF ±5% 50 FA18NP01H37JJNU0□ NPO 550pF ±5% 50 FA18NP01H37JJNU0□ NPO 550pF ±5% 50 FA18NP01H37JJNU0□ NPO 550pF ±5% 50 FA18NP01H87JJNU0□ NPO 150pF ±5% 50 FA18NP01H37JJNU0□ NPO 150pF ±5% 50 FA18NP01H37JJNU0□ NPO 150pF ±5% 50 FA18NP01H32JJNU0□ NPO 2.2nF ±5% 50 FA18NP01H32JJNU0□ NPO 2.7nF ±5% 50 FA18NP01H32JJNU0□ NPO 3.3nF ±5% 50 FA18NP01H32JJNU0□ NPO 3.3nF ±5% 50 FA18NP01H32JJNU0□ NPO 3.5nF ±5% 50 FA18NP01H32JJNU0□ NPO 5.5nF ±5% 50 FA18NP02A12JJNU0□ NPO 5.5nF ±5% 50 FA18NP02A32JJNU0□ NPO 5.5nF ±5% 5	NP0	100pF	±5%	50	FA18NP01H101JNU0
NPO	NP0	120pF	±5%	50	FA18NP01H121JNU0
NPO	NP0	150pF	±5%	50	FA18NP01H151JNU0
NPO 270pF ±5% 50 FA18NP01H271JNU0□ NPO 330pF ±5% 50 FA18NP01H371JNU0□ NPO 330pF ±5% 50 FA18NP01H371JNU0□ NPO 330pF ±5% 50 FA18NP01H371JNU0□ NPO 470pF ±5% 50 FA18NP01H371JNU0□ NPO 560pF ±5% 50 FA18NP01H371JNU0□ NPO 680pF ±5% 50 FA18NP01H371JNU0□ NPO 680pF ±5% 50 FA18NP01H381JNU0□ NPO 680pF ±5% 50 FA18NP01H381JNU0□ NPO 820pF ±5% 50 FA18NP01H321JNU0□ NPO 11pF ±5% 50 FA18NP01H321JNU0□ NPO 1.2pF ±5% 50 FA18NP01H321JNU0□ NPO 1.2pF ±5% 50 FA18NP01H32JNU0□ NPO 1.2pF ±5% 50 FA18NP01H32JNU0□ NPO 1.5nF ±5% 50 FA18NP01H32JNU0□ NPO 1.8nF ±5% 50 FA18NP01H32JNU0□ NPO 1.8nF ±5% 50 FA18NP01H32JNU0□ NPO 1.8nF ±5% 50 FA18NP01H32JNU0□ NPO 2.2nF ±5% 50 FA18NP01H32JNU0□ NPO 2.3nF ±5% 50 FA18NP01H32JNU0□ NPO 3.3nF ±5% 50 FA18NP01H32JNU0□ NPO 3.3nF ±5% 50 FA18NP01H32JNU0□ NPO 3.3nF ±5% 50 FA18NP01H32JNU0□ NPO 3.9nF ±5% 50 FA18NP01H32JNU0□ NPO 4.7nF ±5% 50 FA18NP01H32JNU0□ NPO 5.6nF ±5% 50 FA18NP02A150JNU0□ NPO 5.6nF ±5% 50 FA18NP02A15JNU0□ NPO 5.6nF ±5% 50 FA18NP02A35JNU0□ NPO 5.6nF ±5% 50 FA18NP	NP0	180pF	±5%	50	FA18NP01H181JNU0
NPO 330pF ±5% 50 FA18NPO1H331JNU0□ NPO 390pF ±5% 50 FA18NPO1H391JNU0□ NPO 470pF ±5% 50 FA18NPO1H391JNU0□ NPO 560pF ±5% 50 FA18NPO1H391JNU0□ NPO 680pF ±5% 50 FA18NPO1H391JNU0□ NPO 680pF ±5% 50 FA18NPO1H361JNU0□ NPO 820pF ±5% 50 FA18NPO1H361JNU0□ NPO 1nF ±5% 50 FA18NPO1H32JNU0□ NPO 1nF ±5% 50 FA18NPO1H32JNU0□ NPO 1.2.pF ±5% 50 FA18NPO1H32JNU0□ NPO 1.5.pF ±5% 50 FA18NPO1H32JNU0□ NPO 2.2.pF ±5% 50 FA18NPO1H32JNU0□ NPO 2.7.pF ±5% 50 FA18NPO1H32JNU0□ NPO 3.3.pF ±5% 50 FA18NPO1H32JNU0□ NPO 4.7.pF ±5% 50 FA18NPO1H32JNU0□ NPO 5.6.nF ±5% 50 FA18NPO1H32JNU0□ NPO 6.8.pF ±5% 50 FA18NPO1H32JNU0□ NPO 10.pF ±5% 50 FA18NPO2A33JNU0□ NPO 10.pF ±5% 100 FA18NPO2A33JNU0□ NPO 10.pF ±5% 100 FA18NPO2A33JNU0□ NPO 33.pF ±5% 100 FA18NPO2A33JNU0□ NPO 33.pF ±5% 100 FA18NPO2A33JNU0□ NPO 10.pF ±5% 100 FA18NPO2A33JNU0□ NPO 10.pF ±5% 100 FA18NPO2A32JNU0□ NPO 10.pF ±5% 100 FA18NPO2A33JNU0□ NPO 10.pF ±5% 100 FA18NPO2A33JNU0□ NPO 10.pF ±5% 100 FA18NPO2A32JNU0□ NPO 10.pF ±5% 100 FA18NPO2A33JNU0□ NPO 10.pF ±5% 100 FA18NPO2A	NP0	220pF	±5%	50	FA18NP01H221JNU0
NPO 390pF	NP0	270pF	±5%	50	FA18NP01H271JNU0
NPO 470pF ±5% 50 FA18NP01H471JNU□ NPO 560pF ±5% 50 FA18NP01H561JNU□ NPO 680pF ±5% 50 FA18NP01H561JNU□ NPO 820pF ±5% 50 FA18NP01H561JNU□ NPO 11pF ±5% 50 FA18NP01H61JNU□ NPO 11pF ±5% 50 FA18NP01H12JNU□ NPO 11.2nF ±5% 50 FA18NP01H12JNU□ NPO 11.5nF ±5% 50 FA18NP01H12JNU□ NPO 1.5nF ±5% 50 FA18NP01H12JNU□ NPO 2.2nF ±5% 50 FA18NP01H12JNU□ NPO 2.2nF ±5% 50 FA18NP01H2ZJNU□ NPO 3.3nF ±5% 50 FA18NP01H2ZJNU□ NPO 3.3nF ±5% 50 FA18NP01H2ZJNU□ NPO 3.3nF ±5% 50 FA18NP01H2ZJNU□ NPO 3.5nF ±5% 50 FA18NP01H3ZJNU□ NPO 4.7nF ±5% 50 FA18NP01H3ZJNU□ NPO 5.6nF ±5% 50 FA18NP01H3ZJNU□ NPO 5.6nF ±5% 50 FA18NP01H3ZJNU□ NPO 6.8nF ±5% 50 FA18NP01H3ZJNU□ NPO 8.2nF ±5% 50 FA18NP01H3ZJNU□ NPO 10pF ±5% 50 FA18NP02A10JNU□ NPO 10pF ±5% 100 FA18NP02A2JNI□ NPO 22pF ±5% 100 FA18NP02A2JNI□ NPO 50PF ±5% 100 FA18NP02A2ZJNI□ NPO 10pF ±5% 100 FA18NP02A3JNI□ NPO 10pF	NP0	330pF	±5%	50	FA18NP01H331JNU0
NPO	NP0	390pF	±5%	50	FA18NP01H391JNU0
NPO 680pF ±5% 50 FA18NP01H681.NUO□ NPO 820pF ±5% 50 FA18NP01H681.NUO□ NPO 1nF ±5% 50 FA18NP01H32.NUO□ NPO 11P ±5% 50 FA18NP01H32.NUO□ NPO 12pF ±5% 50 FA18NP01H32.NUO□ NPO 1.8nF ±5% 50 FA18NP01H122.NUO□ NPO 1.8nF ±5% 50 FA18NP01H122.NUO□ NPO 1.8nF ±5% 50 FA18NP01H32.NUO□ NPO 2.2nF ±5% 50 FA18NP01H32.NUO□ NPO 2.2nF ±5% 50 FA18NP01H222.NUO□ NPO 3.3nF ±5% 50 FA18NP01H222.NUO□ NPO 3.3nF ±5% 50 FA18NP01H322.NUO□ NPO 3.9nF ±5% 50 FA18NP01H322.NUO□ NPO 5.6nF ±5% 50 FA18NP01H322.NUO□ NPO 6.8nF ±5% 50 FA18NP01H32.NUO□ NPO 10pF ±5% 50 FA18NP01H32.NUO□ NPO 6.8nF ±5% 50 FA18NP01H32.NUO□ NPO 6.8nF ±5% 50 FA18NP01H32.NUO□ NPO 10pF ±0.5pF 100 FA18NP01H32.NUO□ NPO 10pF ±0.5pF 100 FA18NP02A130.NUO□ NPO 15pF ±5% 100 FA18NP02A130.NUO□ NPO 15pF ±5% 100 FA18NP02A130.NUO□ NPO 15pF ±5% 100 FA18NP02A130.NUO□ NPO 22pF ±5% 100 FA18NP02A130.NUO□ NPO 47pF ±5% 100 FA18NP02A22.NUO□ NPO 47pF ±5% 100 FA18NP02A330.NUO□ NPO 47pF ±5% 100 FA18NP02A22.NUO□ NPO 47pF ±5% 100 FA18NP02A230.NUO□ NPO 47pF ±5% 100 FA18NP02A230.NUO□ NPO 10pF ±5% 100 FA18NP02A230.NUO□ NPO 15pF ±5% 100 FA18NP02A230.NUO□ NPO 15pF ±5% 100 FA18NP02A330.NUO□ NPO 15pF ±5% 100 FA18NP02A31.NUO□ NPO 15pF ±5% 100 FA18NP02A32.NUO□ NPO 15pF ±5% 100 FA18NP02A32.NUO□ NPO 15pF ±5% 100 FA18NP02A32.NUO□ NPO 15pF ±5%	NP0	470pF	±5%	50	FA18NP01H471JNU0
NPO 820PF ±5% 50 FA18NP01H821JNU0□ NPO 1nF ±5% 50 FA18NP01H32JNU0□ NPO 1.2nF ±5% 50 FA18NP01H12JNU0□ NPO 1.2nF ±5% 50 FA18NP01H12JNU0□ NPO 1.5nF ±5% 50 FA18NP01H12JNU0□ NPO 1.8nF ±5% 50 FA18NP01H182JNU0□ NPO 1.8nF ±5% 50 FA18NP01H182JNU0□ NPO 2.2nF ±5% 50 FA18NP01H32JNU0□ NPO 2.7nF ±5% 50 FA18NP01H32JNU0□ NPO 3.3nF ±5% 50 FA18NP01H32JNU0□ NPO 3.3nF ±5% 50 FA18NP01H32JNU0□ NPO 3.9nF ±5% 50 FA18NP01H32JNU0□ NPO 4.7nF ±5% 50 FA18NP01H32JNU0□ NPO 5.6nF ±5% 50 FA18NP01H32JNU0□ NPO 5.6nF ±5% 50 FA18NP01H32JNU0□ NPO 6.8nF ±5% 50 FA18NP01H682JNU0□ NPO 10pF ±5% 50 FA18NP01H82JNU0□ NPO 10pF ±5% 50 FA18NP01H82JNU0□ NPO 10pF ±5% 50 FA18NP01H82JNU0□ NPO 10pF ±5% 50 FA18NP01H32JNU0□ NPO 10pF ±5% 50 FA18NP01H32JNU0□ NPO 10pF ±5% 50 FA18NP01H32JNU0□ NPO 10pF ±5% 100 FA18NP02A10DNU0□ NPO 15pF ±5% 100 FA18NP02A30JNU0□ NPO 15pF ±5% 100 FA18NP02A30JNU0□ NPO 33pF ±5% 100 FA18NP02A30JNU0□ NPO 33pF ±5% 100 FA18NP02A30JNU0□ NPO 47pF ±5% 100 FA18NP02A30JNU0□ NPO 47pF ±5% 100 FA18NP02A310JNU0□ NPO 10pF ±5% 100 FA18NP02A31JNU0□ NPO 150pF ±5% 100 FA18N	NP0	560pF	±5%	50	FA18NP01H561JNU0
NPO	NP0	680pF	±5%	50	FA18NP01H681JNU0
NPO	NP0	820pF	±5%	50	FA18NP01H821JNU0
NPO	NP0	1nF		50	FA18NP01H102JNU0
NPO	NP0	1.2nF		50	FA18NP01H122JNU0
NPO	NP0	1.5nF	±5%	50	
NPO	NP0	1.8nF		50	
NPO 3.3nF ±5% 50 FA18NP01H332.NU0□ NPO 3.9nF ±5% 50 FA18NP01H392JNU0□ NPO 4.7nF ±5% 50 FA18NP01H392JNU0□ NPO 5.6nF ±5% 50 FA18NP01H472JNU0□ NPO 5.6nF ±5% 50 FA18NP01H682JNU0□ NPO 6.8nF ±5% 50 FA18NP01H682JNU0□ NPO 6.8nF ±5% 50 FA18NP01H682JNU0□ NPO 10nF ±5% 50 FA18NP01H682JNU0□ NPO 10pF ±0.5pF 100 FA18NP02A100DNU0□ NPO 15pF ±5% 100 FA18NP02A150JNU0□ NPO 15pF ±5% 100 FA18NP02A230JNU0□ NPO 33pF ±5% 100 FA18NP02A330JNU0□ NPO 33pF ±5% 100 FA18NP02A330JNU0□ NPO 47pF ±5% 100 FA18NP02A330JNU0□ NPO 47pF ±5% 100 FA18NP02A30JNU0□ NPO 58pF ±5% 100 FA18NP02A30JNU0□ NPO 68pF ±5% 100 FA18NP02A680JNU0□ NPO 68pF ±5% 100 FA18NP02A151JNU0□ NPO 10pF ±5% 100 FA18NP02A151JNU0□ NPO 120pF ±5% 100 FA18NP02A151JNU0□ NPO 120pF ±5% 100 FA18NP02A151JNU0□ NPO 150pF ±5% 100 FA18NP02A151JNU0□ NPO 330pF ±5% 100 FA18NP02A251JNU0□ NPO 330pF ±5% 100 FA18NP02A251JNU0□ NPO 330pF ±5% 100 FA18NP02A25IJNU0□ NPO 30pF ±5% 100 FA18NP02A35IJNU0□ NPO 560pF ±5% 100 FA18NP02A55IJNU0□ NPO 560pF ±5% 100 F	NP0	2.2nF		50	
NPO 3.3nF ±5% 50 FA18NP01H332JNU0□ NPO 3.9nF ±5% 50 FA18NP01H392JNU0□ NPO 4.7nF ±5% 50 FA18NP01H472JNU0□ NPO 5.6nF ±5% 50 FA18NP01H682JNU0□ NPO 6.8nF ±5% 50 FA18NP01H682JNU0□ NPO 10nF ±5% 50 FA18NP01H682JNU0□ NPO 10nF ±5% 50 FA18NP01H682JNU0□ NPO 10nF ±5% 50 FA18NP01H682JNU0□ NPO 10pF ±0.5pF 100 FA18NP01H82JNU0□ NPO 10pF ±0.5pF 100 FA18NP02A150JNU0□ NPO 15pF ±5% 100 FA18NP02A230JNU0□ NPO 33pF ±5% 100 FA18NP02A30JNU0□ NPO 47pF ±5% 100 FA18NP02A30JNU0□ NPO 47pF ±5% 100 FA18NP02A11JNU0□ NPO 100pF ±5% 100	NP0	2.7nF		50	
NPO 3.9nF ±5% 50 FA18NP01H392JNU0□ NPO 4.7nF ±5% 50 FA18NP01H472JNU0□ NPO 5.6nF ±5% 50 FA18NP01H682JNU0□ NPO 6.8nF ±5% 50 FA18NP01H682JNU0□ NPO 8.2nF ±5% 50 FA18NP01H82ZJNU0□ NPO 10nF ±5% 50 FA18NP01H03JNU0□ NPO 10pF ±0.5pF 100 FA18NP02A10DNU0□ NPO 15pF ±5% 100 FA18NP02A150JNU0□ NPO 22pF ±5% 100 FA18NP02A20JNU0□ NPO 33pF ±5% 100 FA18NP02A30JNU0□ NPO 47pF ±5% 100 FA18NP02A470JNU0□ NPO 68pF ±5% 100 FA18NP02A10JNU0□ NPO 10pF ±5% 100 FA18NP02A12JNU0□ NPO 15pF ±5% 100 FA18NP02A12JNU0□ NPO 15opF ±5% 100	NP0	3.3nF		50	
NPO 4.7nF ±5% 50 FA18NP01H472JNU0□ NPO 5.6nF ±5% 50 FA18NP01H682JNU0□ NPO 6.8nF ±5% 50 FA18NP01H682JNU0□ NPO 8.2nF ±5% 50 FA18NP01H682JNU0□ NPO 10nF ±5% 50 FA18NP01H103JNU0□ NPO 10pF ±0.5pF 100 FA18NP02A150JNU0□ NPO 15pF ±5% 100 FA18NP02A150JNU0□ NPO 22pF ±5% 100 FA18NP02A30JNU0□ NPO 33pF ±5% 100 FA18NP02A30JNU0□ NPO 47pF ±5% 100 FA18NP02A30JNU0□ NPO 47pF ±5% 100 FA18NP02A30JNU0□ NPO 100pF ±5% 100 FA18NP02A17JNU0□ NPO 120pF ±5% 100 FA18NP02A121JNU0□ NPO 150pF ±5% 100 FA18NP02A121JNU0□ NPO 150pF ±5% 100	NP0	3.9nF		50	
NPO 5.6nF ±5% 50 FA18NP01H562JNU0□ NPO 6.8nF ±5% 50 FA18NP01H682JNU0□ NPO 8.2nF ±5% 50 FA18NP01H62JNU0□ NPO 10nF ±5% 50 FA18NP01H103JNU0□ NPO 10pF ±0.5pF 100 FA18NP02A100DNU0□ NPO 15pF ±5% 100 FA18NP02A30JNU0□ NPO 22pF ±5% 100 FA18NP02A320JNU0□ NPO 33pF ±5% 100 FA18NP02A320JNU0□ NPO 47pF ±5% 100 FA18NP02A32JNU0□ NPO 47pF ±5% 100 FA18NP02A680JNU0□ NPO 100pF ±5% 100 FA18NP02A680JNU0□ NPO 150pF ±5% 100 FA18NP02A12JJNU0□ NPO 150pF ±5% 100 FA18NP02A15JJNU0□ NPO 150pF ±5% 100 FA18NP02A15JJNU0□ NPO 150pF ±5% 100	NP0	4.7nF		50	
NPO 6.8nF ±5% 50 FA18NP01H682JNU0□ NPO 8.2nF ±5% 50 FA18NP01H822JNU0□ NPO 10nF ±5% 50 FA18NP01H103JNU0□ NPO 10pF ±0.5pF 100 FA18NP02A150JNU0□ NPO 15pF ±5% 100 FA18NP02A320JNU0□ NPO 22pF ±5% 100 FA18NP02A320JNU0□ NPO 33pF ±5% 100 FA18NP02A330JNU0□ NPO 47pF ±5% 100 FA18NP02A30JNU0□ NPO 47pF ±5% 100 FA18NP02A30JNU0□ NPO 47pF ±5% 100 FA18NP02A30JNU0□ NPO 68pF ±5% 100 FA18NP02A10JNU0□ NPO 10opF ±5% 100 FA18NP02A10JNU0□ NPO 15opF ±5% 100 FA18NP02A11JNU0□ NPO 18opF ±5% 100 FA18NP02A218JNU0□ NPO 27opF ±5% 100	NP0	5.6nF		50	
NPO 8.2nF ±5% 50 FA18NP01H822JNU0□ NPO 10nF ±5% 50 FA18NP01H103JNU0□ NPO 10pF ±0.5pF 100 FA18NP02A100DNU0□ NPO 15pF ±5% 100 FA18NP02A150JNU0□ NPO 22pF ±5% 100 FA18NP02A220JNU0□ NPO 33pF ±5% 100 FA18NP02A33JNU0□ NPO 47pF ±5% 100 FA18NP02A30JNU0□ NPO 47pF ±5% 100 FA18NP02A30JNU0□ NPO 100pF ±5% 100 FA18NP02A30JNU0□ NPO 120pF ±5% 100 FA18NP02A30JNU0□ NPO 150pF ±5% 100 FA18NP02A161JNU0□ NPO 150pF ±5% 100 FA18NP02A151JNU0□ NPO 180pF ±5% 100 FA18NP02A151JNU0□ NPO 180pF ±5% 100 FA18NP02A221JNU0□ NPO 270pF ±5% 100	NP0	6.8nF		50	
NPO 10nF ±5% 50 FA18NP01H103JNU0□ NPO 10pF ±0.5pF 100 FA18NP02A10DNU0□ NPO 15pF ±5% 100 FA18NP02A150JNU0□ NPO 22pF ±5% 100 FA18NP02A320JNU0□ NPO 33pF ±5% 100 FA18NP02A330JNU0□ NPO 47pF ±5% 100 FA18NP02A470JNU0□ NPO 68pF ±5% 100 FA18NP02A470JNU0□ NPO 100pF ±5% 100 FA18NP02A50JNU0□ NPO 150pF ±5% 100 FA18NP02A17JJNU0□ NPO 150pF ±5% 100 FA18NP02A151JNU0□ NPO 180pF ±5% 100 FA18NP02A151JNU0□ NPO 180pF ±5% 100 FA18NP02A17JNU0□ NPO 220pF ±5% 100 FA18NP02A271JNU0□ NPO 330pF ±5% 100 FA18NP02A391JNU0□ NPO 390pF ±5% 100 </td <td>NP0</td> <td>8.2nF</td> <td></td> <td>50</td> <td></td>	NP0	8.2nF		50	
NPO 10pF ±0.5pF 100 FA18NP02A100DNU0□ NPO 15pF ±5% 100 FA18NP02A150JNU0□ NPO 22pF ±5% 100 FA18NP02A220JNU0□ NPO 33pF ±5% 100 FA18NP02A330JNU0□ NPO 47pF ±5% 100 FA18NP02A470JNU0□ NPO 68pF ±5% 100 FA18NP02A680JNU0□ NPO 100pF ±5% 100 FA18NP02A680JNU0□ NPO 100pF ±5% 100 FA18NP02A10JNU0□ NPO 120pF ±5% 100 FA18NP02A12JNU0□ NPO 150pF ±5% 100 FA18NP02A12JNU0□ NPO 180pF ±5% 100 FA18NP02A12JNU0□ NPO 220pF ±5% 100 FA18NP02A27JNU0□ NPO 270pF ±5% 100 FA18NP02A33JNU0□ NPO 330pF ±5% 100 FA18NP02A33JNU0□ NPO 470pF ±5% 100 <td>NP0</td> <td>10nF</td> <td></td> <td>50</td> <td></td>	NP0	10nF		50	
NPO 15pF ±5% 100 FA18NP02A150JNU0□ NPO 22pF ±5% 100 FA18NP02A220JNU0□ NPO 33pF ±5% 100 FA18NP02A330JNU0□ NPO 47pF ±5% 100 FA18NP02A470JNU0□ NPO 68pF ±5% 100 FA18NP02A470JNU0□ NPO 100pF ±5% 100 FA18NP02A10JNU0□ NPO 120pF ±5% 100 FA18NP02A12JNU0□ NPO 150pF ±5% 100 FA18NP02A151JNU0□ NPO 150pF ±5% 100 FA18NP02A31JNU0□ NPO 180pF ±5% 100 FA18NP02A271JNU0□ NPO 220pF ±5% 100 FA18NP02A271JNU0□ NPO 330pF ±5% 100 FA18NP02A331JNU0□ NPO 390pF ±5% 100 FA18NP02A31JNU0□ NPO 470pF ±5% 100 FA18NP02A561JNU0□ NPO 560pF ±5% 100 <td>NP0</td> <td>10pF</td> <td></td> <td>100</td> <td></td>	NP0	10pF		100	
NPO 22pF ±5% 100 FA18NP02A220JNU0□ NPO 33pF ±5% 100 FA18NP02A330JNU0□ NPO 47pF ±5% 100 FA18NP02A470JNU0□ NPO 68pF ±5% 100 FA18NP02A680JNU0□ NPO 100pF ±5% 100 FA18NP02A101JNU0□ NPO 120pF ±5% 100 FA18NP02A121JNU0□ NPO 150pF ±5% 100 FA18NP02A121JNU0□ NPO 180pF ±5% 100 FA18NP02A213JNU0□ NPO 180pF ±5% 100 FA18NP02A221JNU0□ NPO 220pF ±5% 100 FA18NP02A271JNU0□ NPO 270pF ±5% 100 FA18NP02A331JNU0□ NPO 390pF ±5% 100 FA18NP02A331JNU0□ NPO 470pF ±5% 100 FA18NP02A371JNU0□ NPO 560pF ±5% 100 FA18NP02A681JNU0□ NPO 680pF ±5% 1	NP0	15pF		100	
NPO 33pF ±5% 100 FA18NP02A330JNU0□ NPO 47pF ±5% 100 FA18NP02A470JNU0□ NPO 68pF ±5% 100 FA18NP02A680JNU0□ NPO 100pF ±5% 100 FA18NP02A101JNU0□ NPO 120pF ±5% 100 FA18NP02A121JNU0□ NPO 150pF ±5% 100 FA18NP02A121JNU0□ NPO 180pF ±5% 100 FA18NP02A181JNU0□ NPO 180pF ±5% 100 FA18NP02A181JNU0□ NPO 220pF ±5% 100 FA18NP02A221JNU0□ NPO 270pF ±5% 100 FA18NP02A371JNU0□ NPO 330pF ±5% 100 FA18NP02A331JNU0□ NPO 390pF ±5% 100 FA18NP02A391JNU0□ NPO 470pF ±5% 100 FA18NP02A681JNU0□ NPO 560pF ±5% 100 FA18NP02A681JNU0□ NPO 680pF ±5%	NP0	22pF	±5%	100	
NPO 47pF ±5% 100 FA18NP02A470JNU0□ NPO 68pF ±5% 100 FA18NP02A680JNU0□ NPO 100pF ±5% 100 FA18NP02A101JNU0□ NPO 120pF ±5% 100 FA18NP02A121JNU0□ NPO 150pF ±5% 100 FA18NP02A151JNU0□ NPO 180pF ±5% 100 FA18NP02A31JNU0□ NPO 180pF ±5% 100 FA18NP02A271JNU0□ NPO 220pF ±5% 100 FA18NP02A271JNU0□ NPO 270pF ±5% 100 FA18NP02A271JNU0□ NPO 330pF ±5% 100 FA18NP02A331JNU0□ NPO 390pF ±5% 100 FA18NP02A391JNU0□ NPO 470pF ±5% 100 FA18NP02A391JNU0□ NPO 470pF ±5% 100 FA18NP02A561JNU0□ NPO 560pF ±5% 100 FA18NP02A681JNU0□ NPO 820pF ±5%	NP0	33pF		100	
NPO 68pF ±5% 100 FA18NP02A680JNU0□ NPO 100pF ±5% 100 FA18NP02A101JNU0□ NPO 120pF ±5% 100 FA18NP02A121JNU0□ NPO 150pF ±5% 100 FA18NP02A151JNU0□ NPO 180pF ±5% 100 FA18NP02A181JNU0□ NPO 220pF ±5% 100 FA18NP02A221JNU0□ NPO 270pF ±5% 100 FA18NP02A371JNU0□ NPO 330pF ±5% 100 FA18NP02A331JNU0□ NPO 390pF ±5% 100 FA18NP02A391JNU0□ NPO 470pF ±5% 100 FA18NP02A391JNU0□ NPO 470pF ±5% 100 FA18NP02A561JNU0□ NPO 560pF ±5% 100 FA18NP02A681JNU0□ NPO 680pF ±5% 100 FA18NP02A681JNU0□ NPO 1nF ±5% 100 FA18NP02A122JNU0□ NPO 1.5nF ±5%	NP0	47pF		100	
NPO 100pF ±5% 100 FA18NP02A101JNU0□ NPO 120pF ±5% 100 FA18NP02A121JNU0□ NPO 150pF ±5% 100 FA18NP02A151JNU0□ NPO 180pF ±5% 100 FA18NP02A181JNU0□ NPO 220pF ±5% 100 FA18NP02A221JNU0□ NPO 270pF ±5% 100 FA18NP02A271JNU0□ NPO 330pF ±5% 100 FA18NP02A331JNU0□ NPO 390pF ±5% 100 FA18NP02A391JNU0□ NPO 470pF ±5% 100 FA18NP02A471JNU0□ NPO 470pF ±5% 100 FA18NP02A561JNU0□ NPO 560pF ±5% 100 FA18NP02A681JNU0□ NPO 680pF ±5% 100 FA18NP02A681JNU0□ NPO 1nF ±5% 100 FA18NP02A102JNU0□ NPO 1.2nF ±5% 100 FA18NP02A122JNU0□ NPO 1.5nF ±5% 100 FA18NP02A122JNU0□ NPO 1.5nF ±5% 100 <td>NP0</td> <td>68pF</td> <td></td> <td>100</td> <td></td>	NP0	68pF		100	
NPO 120pF ±5% 100 FA18NP02A121JNU0□ NPO 150pF ±5% 100 FA18NP02A151JNU0□ NPO 180pF ±5% 100 FA18NP02A181JNU0□ NPO 220pF ±5% 100 FA18NP02A221JNU0□ NPO 270pF ±5% 100 FA18NP02A271JNU0□ NPO 330pF ±5% 100 FA18NP02A331JNU0□ NPO 390pF ±5% 100 FA18NP02A391JNU0□ NPO 470pF ±5% 100 FA18NP02A471JNU0□ NPO 470pF ±5% 100 FA18NP02A561JNU0□ NPO 560pF ±5% 100 FA18NP02A561JNU0□ NPO 680pF ±5% 100 FA18NP02A681JNU0□ NPO 820pF ±5% 100 FA18NP02A821JNU0□ NPO 1nF ±5% 100 FA18NP02A102JNU0□ NPO 1.2nF ±5% 100 FA18NP02A122JNU0□ NPO 1.5nF ±5% 100 FA18NP02A182JNU0□ NPO 1.8nF ±5% 100 <td>NP0</td> <td>100pF</td> <td></td> <td>100</td> <td></td>	NP0	100pF		100	
NPO 150pF ±5% 100 FA18NP02A151JNU0 NPO 180pF ±5% 100 FA18NP02A181JNU0 NPO 220pF ±5% 100 FA18NP02A221JNU0 NPO 270pF ±5% 100 FA18NP02A271JNU0 NPO 330pF ±5% 100 FA18NP02A331JNU0 NPO 390pF ±5% 100 FA18NP02A391JNU0 NPO 470pF ±5% 100 FA18NP02A471JNU0 NPO 560pF ±5% 100 FA18NP02A561JNU0 NPO 680pF ±5% 100 FA18NP02A681JNU0 NPO 820pF ±5% 100 FA18NP02A681JNU0 NPO 1nF ±5% 100 FA18NP02A821JNU0 NPO 1.2nF ±5% 100 FA18NP02A122JNU0 NPO 1.5nF ±5% 100 FA18NP02A122JNU0 NPO 1.5nF ±5% 100 FA18NP02A122JNU0 NPO 1.8nF ±5% 100	NP0	120pF		100	
NPO 180pF ±5% 100 FA18NP02A181JNU0□ NPO 220pF ±5% 100 FA18NP02A221JNU0□ NPO 270pF ±5% 100 FA18NP02A271JNU0□ NPO 330pF ±5% 100 FA18NP02A331JNU0□ NPO 390pF ±5% 100 FA18NP02A391JNU0□ NPO 470pF ±5% 100 FA18NP02A471JNU0□ NPO 560pF ±5% 100 FA18NP02A561JNU0□ NPO 680pF ±5% 100 FA18NP02A681JNU0□ NPO 820pF ±5% 100 FA18NP02A621JNU0□ NPO 1nF ±5% 100 FA18NP02A102JNU0□ NPO 1.2nF ±5% 100 FA18NP02A122JNU0□ NPO 1.5nF ±5% 100 FA18NP02A122JNU0□ NPO 1.8nF ±5% 100 FA18NP02A122JNU0□ NPO 2.2nF ±5% 100 FA18NP02A222JNU0□ NPO 2.2nF ±5% 100 FA18NP02A222JNU0□ NPO 2.7nF ±5% 100 <td>NP0</td> <td>150pF</td> <td></td> <td>100</td> <td></td>	NP0	150pF		100	
NPO 220pF ±5% 100 FA18NP02A221JNU0□ NPO 270pF ±5% 100 FA18NP02A271JNU0□ NPO 330pF ±5% 100 FA18NP02A331JNU0□ NPO 390pF ±5% 100 FA18NP02A391JNU0□ NPO 470pF ±5% 100 FA18NP02A471JNU0□ NPO 560pF ±5% 100 FA18NP02A561JNU0□ NPO 680pF ±5% 100 FA18NP02A681JNU0□ NPO 820pF ±5% 100 FA18NP02A621JNU0□ NPO 1nF ±5% 100 FA18NP02A102JNU0□ NPO 1.2nF ±5% 100 FA18NP02A122JNU0□ NPO 1.5nF ±5% 100 FA18NP02A122JNU0□ NPO 1.8nF ±5% 100 FA18NP02A182JNU0□ NPO 2.2nF ±5% 100 FA18NP02A222JNU0□ NPO 2.2nF ±5% 100 FA18NP02A272JNU0□	NP0	180pF		100	
NPO 270pF ±5% 100 FA18NP02A271JNU0 NPO 330pF ±5% 100 FA18NP02A331JNU0 NPO 390pF ±5% 100 FA18NP02A391JNU0 NPO 470pF ±5% 100 FA18NP02A471JNU0 NPO 560pF ±5% 100 FA18NP02A561JNU0 NPO 680pF ±5% 100 FA18NP02A681JNU0 NPO 820pF ±5% 100 FA18NP02A621JNU0 NPO 1nF ±5% 100 FA18NP02A102JNU0 NPO 1.2nF ±5% 100 FA18NP02A122JNU0 NPO 1.5nF ±5% 100 FA18NP02A122JNU0 NPO 1.8nF ±5% 100 FA18NP02A182JNU0 NPO 2.2nF ±5% 100 FA18NP02A222JNU0 NPO 2.2nF ±5% 100 FA18NP02A272JNU0	NP0			100	
NPO 330pF ±5% 100 FA18NP02A331JNU0 NPO 390pF ±5% 100 FA18NP02A391JNU0 NPO 470pF ±5% 100 FA18NP02A471JNU0 NPO 560pF ±5% 100 FA18NP02A561JNU0 NPO 680pF ±5% 100 FA18NP02A681JNU0 NPO 820pF ±5% 100 FA18NP02A821JNU0 NPO 1nF ±5% 100 FA18NP02A102JNU0 NPO 1.2nF ±5% 100 FA18NP02A122JNU0 NPO 1.5nF ±5% 100 FA18NP02A152JNU0 NPO 1.8nF ±5% 100 FA18NP02A182JNU0 NPO 2.2nF ±5% 100 FA18NP02A222JNU0 NPO 2.2nF ±5% 100 FA18NP02A272JNU0	NP0				
NPO 390pF ±5% 100 FA18NP02A391JNU0 NPO 470pF ±5% 100 FA18NP02A471JNU0 NPO 560pF ±5% 100 FA18NP02A561JNU0 NPO 680pF ±5% 100 FA18NP02A681JNU0 NPO 820pF ±5% 100 FA18NP02A821JNU0 NPO 1nF ±5% 100 FA18NP02A102JNU0 NPO 1.2nF ±5% 100 FA18NP02A122JNU0 NPO 1.5nF ±5% 100 FA18NP02A152JNU0 NPO 1.8nF ±5% 100 FA18NP02A182JNU0 NPO 2.2nF ±5% 100 FA18NP02A222JNU0 NPO 2.2nF ±5% 100 FA18NP02A272JNU0	NP0				
NPO 470pF ±5% 100 FA18NP02A471JNU0□ NPO 560pF ±5% 100 FA18NP02A561JNU0□ NPO 680pF ±5% 100 FA18NP02A681JNU0□ NPO 820pF ±5% 100 FA18NP02A821JNU0□ NPO 1nF ±5% 100 FA18NP02A102JNU0□ NPO 1.2nF ±5% 100 FA18NP02A122JNU0□ NPO 1.5nF ±5% 100 FA18NP02A152JNU0□ NPO 1.8nF ±5% 100 FA18NP02A182JNU0□ NPO 2.2nF ±5% 100 FA18NP02A222JNU0□ NPO 2.7nF ±5% 100 FA18NP02A272JNU0□		•			
NPO 560pF ±5% 100 FA18NP02A561JNU0□ NPO 680pF ±5% 100 FA18NP02A681JNU0□ NPO 820pF ±5% 100 FA18NP02A821JNU0□ NPO 1nF ±5% 100 FA18NP02A102JNU0□ NPO 1.2nF ±5% 100 FA18NP02A122JNU0□ NPO 1.5nF ±5% 100 FA18NP02A152JNU0□ NPO 1.8nF ±5% 100 FA18NP02A182JNU0□ NPO 2.2nF ±5% 100 FA18NP02A222JNU0□ NPO 2.7nF ±5% 100 FA18NP02A272JNU0□					
NPO 680pF ±5% 100 FA18NP02A681JNU0□ NPO 820pF ±5% 100 FA18NP02A821JNU0□ NPO 1nF ±5% 100 FA18NP02A102JNU0□ NPO 1.2nF ±5% 100 FA18NP02A122JNU0□ NPO 1.5nF ±5% 100 FA18NP02A152JNU0□ NPO 1.8nF ±5% 100 FA18NP02A182JNU0□ NPO 2.2nF ±5% 100 FA18NP02A222JNU0□ NPO 2.7nF ±5% 100 FA18NP02A272JNU0□					
NPO 820pF ±5% 100 FA18NP02A821JNU0□ NPO 1nF ±5% 100 FA18NP02A102JNU0□ NPO 1.2nF ±5% 100 FA18NP02A122JNU0□ NPO 1.5nF ±5% 100 FA18NP02A152JNU0□ NPO 1.8nF ±5% 100 FA18NP02A182JNU0□ NPO 2.2nF ±5% 100 FA18NP02A222JNU0□ NPO 2.7nF ±5% 100 FA18NP02A272JNU0□					
NPO 1nF ±5% 100 FA18NP02A102JNU0□ NPO 1.2nF ±5% 100 FA18NP02A122JNU0□ NPO 1.5nF ±5% 100 FA18NP02A152JNU0□ NPO 1.8nF ±5% 100 FA18NP02A182JNU0□ NPO 2.2nF ±5% 100 FA18NP02A222JNU0□ NPO 2.7nF ±5% 100 FA18NP02A272JNU0□		<u> </u>			
NP0 1.2nF ±5% 100 FA18NP02A122JNU0□ NP0 1.5nF ±5% 100 FA18NP02A152JNU0□ NP0 1.8nF ±5% 100 FA18NP02A182JNU0□ NP0 2.2nF ±5% 100 FA18NP02A222JNU0□ NP0 2.7nF ±5% 100 FA18NP02A272JNU0□					
NP0 1.5nF ±5% 100 FA18NP02A152JNU0□ NP0 1.8nF ±5% 100 FA18NP02A182JNU0□ NP0 2.2nF ±5% 100 FA18NP02A222JNU0□ NP0 2.7nF ±5% 100 FA18NP02A272JNU0□					
NP0 1.8nF ±5% 100 FA18NP02A182JNU0□ NP0 2.2nF ±5% 100 FA18NP02A222JNU0□ NP0 2.7nF ±5% 100 FA18NP02A272JNU0□					
NP0 2.2nF ±5% 100 FA18NP02A222JNU0 NP0 2.7nF ±5% 100 FA18NP02A272JNU0					
NP0 2.7nF ±5% 100 FA18NP02A272JNU0					
1777077 177707					
NPO 3.3nF $\pm 5\%$ 100 FA18NP02A332JNU0	NP0	3.3nF	±5% ±5%	100	

^{*} The part numbers are TDK's standard specification products.

^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).



FA18 type

ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLE

X8R 68nF ±10% 25 FA18X8R1E683KNU0□*** X8R 100nF ±10% 25 FA18X8R1E104KNU0□ X8R 150nF ±10% 25 FA18X8R1E154KRU0□ X8R 150nF ±10% 25 FA18X8R1E154KRU0□ X8R 1nF ±10% 50 FA18X8R1H152KNU0□ X8R 1.5nF ±10% 50 FA18X8R1H52KNU0□ X8R 2.2nF ±10% 50 FA18X8R1H52KNU0□ X8R 3.3nF ±10% 50 FA18X8R1H422KNU0□ X8R 4.7nF ±10% 50 FA18X8R1H432KNU0□ X8R 6.8nF ±10% 50 FA18X8R1H682KNU0□ X8R 10nF ±10% 50 FA18X8R1H103KNU0□ X8R 15nF ±10% 50 FA18X8R1H153KNU0□ X8R 15nF ±10% 50 FA18X8R1H153KNU0□ X8R 33nF ±10% 50 FA18X8R1H23KNU0□ X8R 47nF ±10% 50 </th <th>Temperature characteristics</th> <th>Capacitance</th> <th>Tolerance</th> <th>Rated voltage Edc (V)</th> <th>Part No.*</th>	Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
X8R 150nF ±10% 25 FA18X8R1E154KRU0□ X8R 220nF ±10% 25 FA18X8R1E224KRU0□ X8R 1nF ±10% 50 FA18X8R1H102KNU0□ X8R 1.5nF ±10% 50 FA18X8R1H152KNU0□ X8R 2.2nF ±10% 50 FA18X8R1H222KNU0□ X8R 3.3nF ±10% 50 FA18X8R1H332KNU0□ X8R 4.7nF ±10% 50 FA18X8R1H322KNU0□ X8R 6.8nF ±10% 50 FA18X8R1H682KNU0□ X8R 10nF ±10% 50 FA18X8R1H103KNU0□ X8R 15nF ±10% 50 FA18X8R1H1682KNU0□ X8R 22nF ±10% 50 FA18X8R1H103KNU0□ X8R 15nF ±10% 50 FA18X8R1H223KNU0□ X8R 22nF ±10% 50 FA18X8R1H33KNU0□ X8R 47nF ±10% 50 FA18X8R1H473KNU0□ X8R 68nF ±10% 50 <td>X8R</td> <td>68nF</td> <td>±10%</td> <td>25</td> <td>FA18X8R1E683KNU0 =**</td>	X8R	68nF	±10%	25	FA18X8R1E683KNU0 =**
X8R 220nF ±10% 25 FA18X8R1E224KRU0 X8R 1nF ±10% 50 FA18X8R1H102KNU0 X8R 1.5nF ±10% 50 FA18X8R1H152KNU0 X8R 2.2nF ±10% 50 FA18X8R1H222KNU0 X8R 3.3nF ±10% 50 FA18X8R1H432KNU0 X8R 4.7nF ±10% 50 FA18X8R1H472KNU0 X8R 6.8nF ±10% 50 FA18X8R1H403KNU0 X8R 10nF ±10% 50 FA18X8R1H103KNU0 X8R 15nF ±10% 50 FA18X8R1H153KNU0 X8R 22nF ±10% 50 FA18X8R1H153KNU0 X8R 33nF ±10% 50 FA18X8R1H333KNU0 X8R 47nF ±10% 50 FA18X8R1H473KNU0 X8R 47nF ±10% 50 FA18X8R1H683KRU0 X8R 68nF ±10% 50 FA18X8R1H683KRU0 X8R 10nF ±10% 50 F	X8R	100nF	±10%	25	FA18X8R1E104KNU0
X8R 1nF ±10% 50 FA18X8R1H102KNU0□ X8R 1.5nF ±10% 50 FA18X8R1H152KNU0□ X8R 2.2nF ±10% 50 FA18X8R1H222KNU0□ X8R 3.3nF ±10% 50 FA18X8R1H332KNU0□ X8R 4.7nF ±10% 50 FA18X8R1H682KNU0□ X8R 6.8nF ±10% 50 FA18X8R1H682KNU0□ X8R 10nF ±10% 50 FA18X8R1H133KNU0□ X8R 15nF ±10% 50 FA18X8R1H23KNU0□ X8R 22nF ±10% 50 FA18X8R1H333KNU0□ X8R 33nF ±10% 50 FA18X8R1H333KNU0□ X8R 47nF ±10% 50 FA18X8R1H473KNU0□ X8R 68nF ±10% 50 FA18X8R1H473KNU0□ X8R 68nF ±10% 50 FA18X8R1H683KRU0□ X8R 10nF ±10% 50 FA18X8R1H683KRU0□ X8R 15nF ±10% 50	X8R	150nF	±10%	25	FA18X8R1E154KRU0
X8R 1.5nF ±10% 50 FA18X8R1H152KNU0□ X8R 2.2nF ±10% 50 FA18X8R1H222KNU0□ X8R 3.3nF ±10% 50 FA18X8R1H332KNU0□ X8R 4.7nF ±10% 50 FA18X8R1H472KNU0□ X8R 6.8nF ±10% 50 FA18X8R1H682KNU0□ X8R 10nF ±10% 50 FA18X8R1H103KNU0□ X8R 15nF ±10% 50 FA18X8R1H153KNU0□ X8R 22nF ±10% 50 FA18X8R1H223KNU0□ X8R 33nF ±10% 50 FA18X8R1H333KNU0□ X8R 47nF ±10% 50 FA18X8R1H473KNU0□ X8R 47nF ±10% 50 FA18X8R1H473KNU0□ X8R 100nF ±10% 50 FA18X8R1H083KRU0□ X8R 10nF ±10% 50 FA18X8R1H473KNU0□ X8R 10nF ±10% 50 FA18X8R2A102KNU0□ X8R 10nF ±10% 100 </td <td>X8R</td> <td>220nF</td> <td>±10%</td> <td>25</td> <td>FA18X8R1E224KRU0□</td>	X8R	220nF	±10%	25	FA18X8R1E224KRU0□
X8R 2.2nF ±10% 50 FA18X8R1H222KNU0 X8R 3.3nF ±10% 50 FA18X8R1H332KNU0 X8R 4.7nF ±10% 50 FA18X8R1H472KNU0 X8R 6.8nF ±10% 50 FA18X8R1H682KNU0 X8R 10nF ±10% 50 FA18X8R1H103KNU0 X8R 15nF ±10% 50 FA18X8R1H153KNU0 X8R 22nF ±10% 50 FA18X8R1H223KNU0 X8R 33nF ±10% 50 FA18X8R1H333KNU0 X8R 47nF ±10% 50 FA18X8R1H473KNU0 X8R 47nF ±10% 50 FA18X8R1H683KRU0 X8R 68nF ±10% 50 FA18X8R1H084KRU0 X8R 10nF ±10% 50 FA18X8R1H084KRU0 X8R 1nF ±10% 100 FA18X8R2A102KNU0 X8R 1.5nF ±10% 100 FA18X8R2A222ZKNU0 X8R 2.2nF ±10% 100 <	X8R	1nF	±10%	50	FA18X8R1H102KNU0
X8R 3.3nF ±10% 50 FA18X8R1H332KNU0 X8R 4.7nF ±10% 50 FA18X8R1H32KNU0 X8R 6.8nF ±10% 50 FA18X8R1H682KNU0 X8R 10nF ±10% 50 FA18X8R1H103KNU0 X8R 15nF ±10% 50 FA18X8R1H153KNU0 X8R 22nF ±10% 50 FA18X8R1H223KNU0 X8R 33nF ±10% 50 FA18X8R1H333KNU0 X8R 47nF ±10% 50 FA18X8R1H333KNU0 X8R 47nF ±10% 50 FA18X8R1H633KRU0 X8R 68nF ±10% 50 FA18X8R1H04KRU0 X8R 10nF ±10% 50 FA18X8R1H04KRU0 X8R 1nF ±10% 50 FA18X8R2A102KNU0 X8R 1nF ±10% 100 FA18X8R2A102KNU0 X8R 2.2nF ±10% 100 FA18X8R2A32KNU0 X8R 3.3nF ±10% 100 FA18	X8R	1.5nF	±10%	50	FA18X8R1H152KNU0□
X8R 4.7nF ±10% 50 FA18X8R1H472KNU0 X8R 6.8nF ±10% 50 FA18X8R1H682KNU0 X8R 10nF ±10% 50 FA18X8R1H103KNU0 X8R 15nF ±10% 50 FA18X8R1H153KNU0 X8R 22nF ±10% 50 FA18X8R1H223KNU0 X8R 33nF ±10% 50 FA18X8R1H333KNU0 X8R 47nF ±10% 50 FA18X8R1H473KNU0 X8R 68nF ±10% 50 FA18X8R1H683KRU0 X8R 100nF ±10% 50 FA18X8R1H683KRU0 X8R 10nF ±10% 50 FA18X8R1H683KRU0 X8R 10nF ±10% 50 FA18X8R1H683KRU0 X8R 10nF ±10% 50 FA18X8R2A102KNU0 X8R 1.5nF ±10% 100 FA18X8R2A152KNU0 X8R 2.2nF ±10% 100 FA18X8R2A32KNU0 X8R 3.3nF ±10% 100 <t< td=""><td>X8R</td><td>2.2nF</td><td>±10%</td><td>50</td><td>FA18X8R1H222KNU0□</td></t<>	X8R	2.2nF	±10%	50	FA18X8R1H222KNU0□
X8R 6.8nF ±10% 50 FA18X8R1H682KNU0 X8R 10nF ±10% 50 FA18X8R1H103KNU0 X8R 15nF ±10% 50 FA18X8R1H153KNU0 X8R 22nF ±10% 50 FA18X8R1H223KNU0 X8R 33nF ±10% 50 FA18X8R1H333KNU0 X8R 47nF ±10% 50 FA18X8R1H473KNU0 X8R 68nF ±10% 50 FA18X8R1H683KRU0 X8R 100nF ±10% 50 FA18X8R1H04KRU0 X8R 10nF ±10% 50 FA18X8R2A102KNU0 X8R 1nF ±10% 100 FA18X8R2A102KNU0 X8R 1.5nF ±10% 100 FA18X8R2A222KNU0 X8R 2.2nF ±10% 100 FA18X8R2A332KNU0 X8R 4.7nF ±10% 100 FA18X8R2A682KNU0 X8R 6.8nF ±10% 100 FA18X8R2A682KNU0 X8R 10nF ±10% 100	X8R	3.3nF	±10%	50	FA18X8R1H332KNU0□
X8R 10nF ±10% 50 FA18X8R1H103KNU0 X8R 15nF ±10% 50 FA18X8R1H153KNU0 X8R 22nF ±10% 50 FA18X8R1H223KNU0 X8R 33nF ±10% 50 FA18X8R1H333KNU0 X8R 47nF ±10% 50 FA18X8R1H473KNU0 X8R 68nF ±10% 50 FA18X8R1H683KRU0 X8R 100nF ±10% 50 FA18X8R1H04KRU0 X8R 1nF ±10% 100 FA18X8R2A102KNU0 X8R 1.5nF ±10% 100 FA18X8R2A152KNU0 X8R 2.2nF ±10% 100 FA18X8R2A32KNU0 X8R 3.3nF ±10% 100 FA18X8R2A332KNU0 X8R 4.7nF ±10% 100 FA18X8R2A682KNU0 X8R 6.8nF ±10% 100 FA18X8R2A682KNU0 X8R 10nF ±10% 100 FA18X8R2A103KNU0	X8R	4.7nF	±10%	50	FA18X8R1H472KNU0□
X8R 15nF ±10% 50 FA18X8R1H153KNU0□ X8R 22nF ±10% 50 FA18X8R1H223KNU0□ X8R 33nF ±10% 50 FA18X8R1H333KNU0□ X8R 47nF ±10% 50 FA18X8R1H473KNU0□ X8R 68nF ±10% 50 FA18X8R1H683KRU0□ X8R 100nF ±10% 50 FA18X8R1H104KRU0□ X8R 1nF ±10% 100 FA18X8R2A102KNU0□ X8R 1.5nF ±10% 100 FA18X8R2A152KNU0□ X8R 2.2nF ±10% 100 FA18X8R2A32KNU0□ X8R 3.3nF ±10% 100 FA18X8R2A32KNU0□ X8R 4.7nF ±10% 100 FA18X8R2A682KNU0□ X8R 6.8nF ±10% 100 FA18X8R2A682KNU0□ X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	6.8nF	±10%	50	FA18X8R1H682KNU0□
X8R 22nF ±10% 50 FA18X8R1H223KNU0□ X8R 33nF ±10% 50 FA18X8R1H333KNU0□ X8R 47nF ±10% 50 FA18X8R1H473KNU0□ X8R 68nF ±10% 50 FA18X8R1H683KRU0□ X8R 100nF ±10% 50 FA18X8R1H104KRU0□ X8R 1nF ±10% 100 FA18X8R2A102KNU0□ X8R 1.5nF ±10% 100 FA18X8R2A152KNU0□ X8R 2.2nF ±10% 100 FA18X8R2A322KNU0□ X8R 3.3nF ±10% 100 FA18X8R2A472KNU0□ X8R 4.7nF ±10% 100 FA18X8R2A682KNU0□ X8R 6.8nF ±10% 100 FA18X8R2A682KNU0□ X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	10nF	±10%	50	FA18X8R1H103KNU0□
X8R 33nF ±10% 50 FA18X8R1H333KNU0□ X8R 47nF ±10% 50 FA18X8R1H473KNU0□ X8R 68nF ±10% 50 FA18X8R1H683KRU0□ X8R 100nF ±10% 50 FA18X8R1H104KRU0□ X8R 1nF ±10% 100 FA18X8R2A102KNU0□ X8R 1.5nF ±10% 100 FA18X8R2A152KNU0□ X8R 2.2nF ±10% 100 FA18X8R2A222KNU0□ X8R 3.3nF ±10% 100 FA18X8R2A32KNU0□ X8R 4.7nF ±10% 100 FA18X8R2A472KNU0□ X8R 6.8nF ±10% 100 FA18X8R2A682KNU0□ X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	15nF	±10%	50	FA18X8R1H153KNU0□
X8R 47nF ±10% 50 FA18X8R1H473KNU0□ X8R 68nF ±10% 50 FA18X8R1H683KRU0□ X8R 100nF ±10% 50 FA18X8R1H104KRU0□ X8R 1nF ±10% 100 FA18X8R2A102KNU0□ X8R 1.5nF ±10% 100 FA18X8R2A152KNU0□ X8R 2.2nF ±10% 100 FA18X8R2A222KNU0□ X8R 3.3nF ±10% 100 FA18X8R2A32KNU0□ X8R 4.7nF ±10% 100 FA18X8R2A472KNU0□ X8R 6.8nF ±10% 100 FA18X8R2A682KNU0□ X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	22nF	±10%	50	FA18X8R1H223KNU0□
X8R 68nF ±10% 50 FA18X8R1H683KRU0□ X8R 100nF ±10% 50 FA18X8R1H104KRU0□ X8R 1nF ±10% 100 FA18X8R2A102KNU0□ X8R 1.5nF ±10% 100 FA18X8R2A152KNU0□ X8R 2.2nF ±10% 100 FA18X8R2A222KNU0□ X8R 3.3nF ±10% 100 FA18X8R2A332KNU0□ X8R 4.7nF ±10% 100 FA18X8R2A472KNU0□ X8R 6.8nF ±10% 100 FA18X8R2A682KNU0□ X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	33nF	±10%	50	FA18X8R1H333KNU0□
X8R 100nF ±10% 50 FA18X8R1H104KRU0□ X8R 1nF ±10% 100 FA18X8R2A102KNU0□ X8R 1.5nF ±10% 100 FA18X8R2A152KNU0□ X8R 2.2nF ±10% 100 FA18X8R2A222KNU0□ X8R 3.3nF ±10% 100 FA18X8R2A332KNU0□ X8R 4.7nF ±10% 100 FA18X8R2A472KNU0□ X8R 6.8nF ±10% 100 FA18X8R2A682KNU0□ X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	47nF	±10%	50	FA18X8R1H473KNU0□
X8R 1nF ±10% 100 FA18X8R2A102KNU0□ X8R 1.5nF ±10% 100 FA18X8R2A152KNU0□ X8R 2.2nF ±10% 100 FA18X8R2A222KNU0□ X8R 3.3nF ±10% 100 FA18X8R2A332KNU0□ X8R 4.7nF ±10% 100 FA18X8R2A472KNU0□ X8R 6.8nF ±10% 100 FA18X8R2A682KNU0□ X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	68nF	±10%	50	FA18X8R1H683KRU0□
X8R 1.5nF ±10% 100 FA18X8R2A152KNU0□ X8R 2.2nF ±10% 100 FA18X8R2A222KNU0□ X8R 3.3nF ±10% 100 FA18X8R2A332KNU0□ X8R 4.7nF ±10% 100 FA18X8R2A472KNU0□ X8R 6.8nF ±10% 100 FA18X8R2A682KNU0□ X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	100nF	±10%	50	FA18X8R1H104KRU0□
X8R 2.2nF ±10% 100 FA18X8R2A222KNU0□ X8R 3.3nF ±10% 100 FA18X8R2A332KNU0□ X8R 4.7nF ±10% 100 FA18X8R2A472KNU0□ X8R 6.8nF ±10% 100 FA18X8R2A682KNU0□ X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	1nF	±10%	100	FA18X8R2A102KNU0
X8R 3.3nF ±10% 100 FA18X8R2A332KNU0□ X8R 4.7nF ±10% 100 FA18X8R2A472KNU0□ X8R 6.8nF ±10% 100 FA18X8R2A682KNU0□ X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	1.5nF	±10%	100	FA18X8R2A152KNU0
X8R 4.7nF ±10% 100 FA18X8R2A472KNU0□ X8R 6.8nF ±10% 100 FA18X8R2A682KNU0□ X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	2.2nF	±10%	100	FA18X8R2A222KNU0
X8R 6.8nF ±10% 100 FA18X8R2A682KNU0□ X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	3.3nF	±10%	100	FA18X8R2A332KNU0
X8R 10nF ±10% 100 FA18X8R2A103KNU0□	X8R	4.7nF	±10%	100	FA18X8R2A472KNU0
21070 171107011271001111001	X8R	6.8nF	±10%	100	FA18X8R2A682KNU0
X8B 15nF +10% 100 FA18X8B2A153KNU0□	X8R	10nF	±10%	100	FA18X8R2A103KNU0
17(10/01/2/100/1/00 <u>—</u>	X8R	15nF	±10%	100	FA18X8R2A153KNU0
X8R 22nF ±10% 100 FA18X8R2A223KRU0□	X8R	22nF	±10%	100	FA18X8R2A223KRU0□
X8R 33nF ±10% 100 FA18X8R2A333KRU0	X8R	33nF	±10%	100	FA18X8R2A333KRU0

 $^{^{\}star}$ The part numbers are TDK's standard specification products.

^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).



FA14 type







FA14 type

ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
NP0	15nF	±5%	50	FA14NP01H153JNU0 = **
NP0	22nF	±5%	50	FA14NP01H223JNU0□
NP0	33nF	±5%	50	FA14NP01H333JNU0□
NP0	3.9nF	±5%	100	FA14NP02A392JNU0□
NP0	4.7nF	±5%	100	FA14NP02A472JNU0
NP0	5.6nF	±5%	100	FA14NP02A562JNU0
NP0	6.8nF	±5%	100	FA14NP02A682JNU0
NP0	8.2nF	±5%	100	FA14NP02A822JNU0
NP0	10nF	±5%	100	FA14NP02A103JNU0

^{*} The part numbers are TDK's standard specification products.

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
X8R	150nF	±10%	25	FA14X8R1E154KNU0 =**
X8R	220nF	±10%	25	FA14X8R1E224KNU0□
X8R	330nF	±10%	25	FA14X8R1E334KNU0□
X8R	470nF	±10%	25	FA14X8R1E474KRU0□
X8R	68nF	±10%	50	FA14X8R1H683KNU0
X8R	100nF	±10%	50	FA14X8R1H104KNU0
X8R	150nF	±10%	50	FA14X8R1H154KRU0□
X8R	220nF	±10%	50	FA14X8R1H224KRU0□
X8R	22nF	±10%	100	FA14X8R2A223KNU0
X8R	47nF	±10%	100	FA14X8R2A473KRU0
X8R	68nF	±10%	100	FA14X8R2A683KRU0

^{*} The part numbers are TDK's standard specification products.

^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).

^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).



FA16 type







FA16 type

ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
NP0	47nF	±5%	50	FA16NP01H473JNU0 = **
NP0	68nF	±5%	50	FA16NP01H683JNU0
NP0	100nF	±5%	50	FA16NP01H104JNU0
NP0	15nF	±5%	100	FA16NP02A153JNU0
NP0	22nF	±5%	100	FA16NP02A223JNU0
NP0	33nF	±5%	100	FA16NP02A333JNU0

^{*} The part numbers are TDK's standard specification products.

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
X8R	470nF	±10%	25	FA16X8R1E474KNU0 =**
X8R	680nF	±10%	25	FA16X8R1E684KNU0□
X8R	1uF	±10%	25	FA16X8R1E105KNU0
X8R	1.5uF	±10%	25	FA16X8R1E155KRU0□
X8R	2.2uF	±10%	25	FA16X8R1E225KRU0□
X8R	150nF	±10%	50	FA16X8R1H154KNU0□
X8R	220nF	±10%	50	FA16X8R1H224KNU0
X8R	330nF	±10%	50	FA16X8R1H334KNU0□
X8R	470nF	±10%	50	FA16X8R1H474KNU0
X8R	680nF	±10%	50	FA16X8R1H684KRU0
X8R	1uF	±10%	50	FA16X8R1H105KRU0
X8R	33nF	±10%	100	FA16X8R2A333KNU0
X8R	47nF	±10%	100	FA16X8R2A473KNU0
X8R	68nF	±10%	100	FA16X8R2A683KNU0
X8R	100nF	±10%	100	FA16X8R2A104KNU0
X8R	150nF	±10%	100	FA16X8R2A154KNU0□
X8R	220nF	±10%	100	FA16X8R2A224KRU0
X8R	330nF	±10%	100	FA16X8R2A334KRU0□

^{*} The part numbers are TDK's standard specification products.

^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).

^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).



FA11 type





Dimensions in mm



FA11 type

ELECTRICAL CHARACTERISTICS

□CHARACTERISTICS SPECIFICATION TABLE

CLASS 1 (TEMPERATURE COMPENSATION)

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
NP0	68nF	±5%	100	FA11NP02A683JNU0 = **

^{*} The part numbers are TDK's standard specification products.

Temperature characteristics	Capacitance	Tolerance	Rated voltage Edc (V)	Part No.*
X8R	1.5uF	±10%	25	FA11X8R1E155KNU0□**
X8R	2.2uF	±10%	25	FA11X8R1E225KNU0□
X8R	3.3uF	±10%	25	FA11X8R1E335KNU0□
X8R	4.7uF	±10%	25	FA11X8R1E475KRU0□
X8R	470nF	±10%	100	FA11X8R2A474KRU0□
X8R	680nF	±10%	100	FA11X8R2A684KRU0□

^{*} The part numbers are TDK's standard specification products.

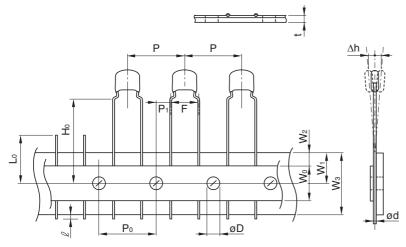
^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).

^{**} The " \square " of the Part Number contains the packaging symbol, 0 (Bulk packaging) or 6 (Taping packaging).

Packaging style

TAPING DIMENSIONS

□Lead pitch 5.0 mm (FA28, FA24, FA26, FA20, FA22, FA23 type)

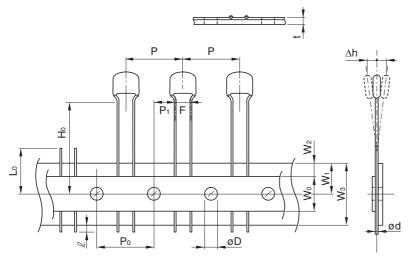


Symbol	Dimensions in mm
Р	(12.7)
P ₀ *1	(12.7)
P ₁	(3.85)
W ₀	12.0±1.0
W ₁	9.0±0.5
W ₂ *2	3.0max.
Wз	18.0+1.0, -0.5
H ₀	16.0±0.8
ℓ t	1.0max.
t	0.6±0.2
Lo*3	11.0max.
F	5.0+0.8, -0.2
ød	ø0.5+0.1, −0.03
øD	(ø4.0)
Δh	(±2)
	·

The values in parentheses "()" are reference values.

- *1 Accumulated pitch tolerance shall be ±2mm for 20 pitches.
- *2 Adhesive tape shall not stick out from carrier tape.
- *3 The number of consecutive gaps in the product shall be three or less.

Lead pitch	2.5 mm
(FA18, FA14,	FA16, FA11 type)

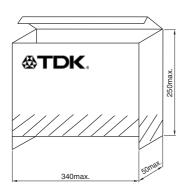


Symbol	Dimensions in mm
Р	(12.7)
Po*1	(12.7)
P ₁	(5.1)
Wo	12.0±1.0
W ₁	9.0±0.5
W2*2	3.0max.
Wз	18.0+1.0, -0.5
H ₀	16.0±0.8
l t	1.0max.
t	0.6±0.2
Lo*3	11.0max.
F	2.5+0.5, -0.2
ød	ø0.5+0.1, -0.03
øD	(ø4.0)
Δh	(±2)
The value	s in narentheses "()" are refe

The values in parentheses "()" are reference values.

- *1 Accumulated pitch tolerance shall be $\pm 2 \text{mm}$ for 20 pitches.
- *2 Adhesive tape shall not stick out from carrier tape.
- *3 The number of consecutive gaps in the product shall be three or less.

■ AMMO PACK INNER BOX SIZE



Dimensions in mm

Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.