TDK

Ultra Low Inductance Multilayer Ceramic Chip Capacitors
CLL Series

FEATURES

- Features a unique internal structure that cancels magnetic fields to reduce inductance.
- Compact and lightweight
- This product contains no lead and supports lead-free soldering.

APPLICATIONS

Power supply circuits for CPUs and high-speed digital ICs.

PRODUCT IDENTIFICATION

CLL	D11	X7R	1C	473	M	□
(1)	(2)	(3)	(4)	(5)	(6)	(7)

(1) Series name

(2) Dimension code

D11	2.0×1.25mm

(3) Capacitance temperature characteristics

Class 2

Temperature characteristics	Capacitance change	Temperature range
X7R	±15%	–55 to +125°C
X7S	±22%	–55 to +125°C

(4) Rated voltage Edc

1C	16V
1A	10V
0J	6.3V
0G	4V

(5) Nominal capacitance

The capacitance is expressed in three digit codes and in units of pico farads (pF).

The first and second digits identify the first and second significant figures of the capacitance.

The third digit identifies the multiplier.

R designates a decimal point.

473	47,000pF

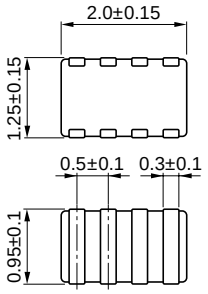
(6) Capacitance tolerance

Symbol	Tolerance
M	±20%

(7) Packaging style

T	Taping (reel)
B	Bulk

CLLD11 TYPE
SHAPES AND DIMENSIONS



Dimensions in mm

CAPACITANCE RANGES: CLASS 2
TEMPERATURE CHARACTERISTICS: EIA X7R(±15%)

RATED VOLTAGE Edc: 16V

Capacitance (pF)	Tolerance	Thickness T (mm)max.	Part number
47,000	±20%	0.55	CLLD11X7R1C473M
68,000	±20%	0.55	CLLD11X7R1C683M

RATED VOLTAGE Edc: 10V

Capacitance (pF)	Tolerance	Thickness T (mm)max.	Part number
100,000	±20%	0.55	CLLD11X7R1A104M
220,000	±20%	0.55	CLLD11X7R1A224M
330,000	±20%	0.95	CLLD11X7R1A334M
470,000	±20%	0.95	CLLD11X7R1A474M

RATED VOLTAGE Edc: 6.3V

Capacitance (pF)	Tolerance	Thickness T (mm)max.	Part number
330,000	±20%	0.55	CLLD11X7R0J334M
680,000	±20%	0.95	CLLD11X7R0J684M

TEMPERATURE CHARACTERISTICS: EIA X7S(±22%)

RATED VOLTAGE Edc: 6.3V

Capacitance (pF)	Tolerance	Thickness T (mm)max.	Part number
470,000	±20%	0.55	CLLD11X7S0J474M

RATED VOLTAGE Edc: 4V

Capacitance (pF)	Tolerance	Thickness T (mm)max.	Part number
680,000	±20%	0.55	CLLD11X7S0G684M
1,000,000 [1µF]	±20%	0.95	CLLD11X7S0G105M
1,500,000	±20%	0.95	CLLD11X7S0G155M
2,200,000	±20%	0.95	CLLD11X7S0G225M

- For more information about the products of other capacitance or data, please contact us.