Aluminum Electrolytic Capacitors
Surface Mount Type

SLL series

MERITEK

FEATURE

- **Low leakage current Series**
- **Applications: Low leakage current (0.5μA to 2.0μA max.)**
- **Load life: 85°C**

Diameter (mm)	Load Life (Hours)
4 ~ 6.3	2000

RoHS

SPECIFICATIONS

Item	Characteristic						
Operating Temperature	-40°C ~ 85°C						
Rated Working Voltage	6.3VDC ~ 50VDC						
Nominal Capacitance	1.0 μF ~ 100 μF, ±20% (at 20°C, 120HZ)						
Leakage Current	$I_L \leq 0.002CV$ or 0.5 μA whichever is greater after 2 minutes at 20°C						
Ripple Current Coefficient, Frequency	**Frequency (Hz)**	**60**	**120**	**1K**	**10K**	**--**	**--**
	Coefficient	0.85	1.00	1.10	1.20	**--**	**--**
Dissipation Factor at 20°C, 120Hz	**Working Voltage (V)**	**6.3**	**10**	**16**	**25**	**35**	**50**
	Dissipation Factor	0.24	0.20	0.16	0.14	0.12	0.10
Low Temperature Stability, Impedance Ratio at 120Hz	**Working Voltage (V)**	**6.3**	**10**	**16**	**25**	**35**	**50**
	Z-25°C / Z+20°C	4	3	2	2	2	2
	Z-40°C / Z+20°C	8	6	4	4	3	3
Load Life	**Capacitance**	≤ ±25% of initial value		Apply Working Voltage for Rated Load Life / Temperature Stabilized at +20°C.			
	Dissipation Factor	≤ 200% of initial value					
	Leakage Current	≤ Initial specified value					
Shelf Life	**Capacitance**	≤ ±25% of initial value		After storage condition without voltage applied for 1000 hours at Rated Temperature, Stabilizing for 1 to 2 hours.			
	Dissipation Factor	≤ 200% of initial value					
	Leakage Current	≤ 200% of initial value					
Resistance to Soldering Heat	**Capacitance**	≤ ±20% of initial value		For other procedures than those specified, Soldering iron method: Temperature: 260±5°C. Application time of soldering iron: 10 sec			
	Dissipation Factor	≤ specified value					
	Leakage Current	≤ specified value					

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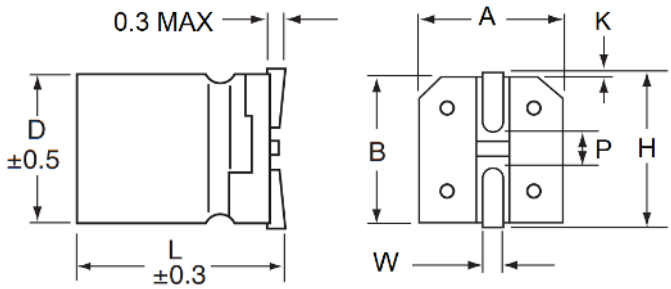
STANDARD RATING

Rated Voltage	Rated Capacitance		Tan δ	Case Size DxL	Ripple Current
(V_{DC})	(μF)	Code	(%)	(mm)	(mA/rms)
6.3	22	220	0.24	4x5.4	31
	33	330	0.24	5x5.4	39
	47	470	0.24	5x5.4	47
	100	101	0.24	6.3x5.4	71
10	22	220	0.20	5x5.4	35
	33	330	0.20	5x5.4	43
	47	470	0.20	6.3x5.4	59
	100	101	0.20	6.3x5.4	76
16	10	100	0.16	4x5.4	25
	22	220	0.16	5x5.4	39
	33	330	0.16	6.3x5.4	57
	47	470	0.16	6.3x5.4	68

Rated Voltage	Rated Capacitance		Tan δ	Case Size DxL	Ripple Current
(V_{DC})	(μF)	Code	(%)	(mm)	(mA/rms)
25	4.7	4R7	0.14	4x5.4	19
	10	100	0.14	5x5.4	28
	22	220	0.14	6.3x5.4	52
	33	330	0.14	6.3x5.4	63
35	4.7	4R7	0.12	4x5.4	20
	22	220	0.12	5x5.4	30
	33	330	0.12	6.3x5.4	54
50	1.0	1R0	0.10	4x5.4	10
	2.2	2R2	0.10	4x5.4	15
	3.3	3R3	0.10	4x5.4	18
	4.7	4R7	0.10	5x5.4	23
	10	100	0.10	6.3x5.4	34

Note: Ripple Current measured at 120Hz, 85°C

DIMENSION



Unit: mm

D	L	A ±0.2	B Max	H Max	W	P ±0.2	K
4.0 (D)	5.4	4.3	5.0	5.5	0.65±0.1	1.0	0.35+0.15/-0.2
5.0 (E)	5.4	5.3	6.0	6.5	0.65±0.1	1.5	0.35+0.15/-0.2
6.3 (F)	5.4	6.6	7.3	7.8	0.65±0.1	2.1	0.35+0.15/-0.2

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PART NUMBERING SYSTEM

SLL **1H** **100M** **F054**
(1) (2) (3) (4)

No	Item	Code	Description	
(1)	**Meritek Series**	SLL	Aluminum Electrolytic Capacitors, SMD type, 2000 Hrs 85°C	
(2)	**Rated Voltage**	1H	50VDC	DC Voltage Code, 0J to 1H
(3)	**Capacitance**	100M	10µF ±20% (M)	First two digits: significant, Third: Multiplier
(4)	**Size Code**	F054	6.3x5.4mm	DxL (mm)

Voltage	4	6.3	10	16	25	35	50	63	100	160	200	250	350	400	450	500
Code	0G	0J	1A	1C	1E	1V	1H	1J	2A	2C	2D	2E	2V	2G	2W	2H

Diameter	4	5	6.3	8	10	12.5	14.5	16	18	20	22	25
Code	D	E	F	H	J	K	U	L	M	N	P	Q

LEGACY PART NUMBERING SYSTEM

SLL **50V** **100M** **F054**
(1) (2) (3) (4)

No	(1)	(2)	(3)	(4)
Item	Meritek Series	Rated Voltage	Rated Capacitance	Size Code

*Specifications subject to change without notice.