

Specifications

Items	Specifications	
Size code	S09	B09
Category temperature range	-55 to +85 °C	
Rated voltage range	2.5 to 10 V.DC	
Rated capacitance range	4.7 to 100 μF	150 μF
Capacitance tolerance	±20 % (120 Hz / +20 °C)	
Leakage current	Please see the attached characteristics list	
Dissipation factor(tan δ)	Please see the attached characteristics list	
Surge voltage	Rated voltage x1.15	
Endurance	85 °C, 1,000 h, rated voltage applied	
	ΔC/C	Within ±20 % of the initial value
	DF	≤1.5 times of the initial limit
	LC	Within the initial limit
Damp heat (Steady State)	60 °C, 90 to 95 %RH, 500 h, No-applied voltage	
	ΔC/C	Within +40 %, -20 % of the initial value
	DF	≤1.5 times of the initial limit
	LC	≤3 times of the initial limit

Marking and dimensions

S09 Size

B09 Size

(unit : mm)

Size code	L ±0.1※1	W ±0.1※1	H ±0.1	S ±0.1※1	W1 ±0.1
S09	2.0	1.25	0.9	0.5	0.9
B09	3.5	2.8	0.9	0.8	2.2

※1 ±0.2 : B09

R. Voltage (V.DC)	2.5	4.0	6.3	10.0
Code	e	g	j	A

S09 size

R. Cap. (μF)	4.7	10	22	47	68	100
Code	s	A	J	S	W	A

B09 size

R. Cap. (μF)	150
Code	E8

Characteristics list

Series	Rated voltage (V.DC)	Rated temp. (°C)	Category voltage (V.DC)	Category temp. (°C)	Rated capacitance (μF)	Case size (mm)			Size code	Specifications				Standard	
						L	W	H		Maximum allowable ripple current (mA rms) 100 kHz ※1	ESR ※2 (mΩ max.)	tan δ ※3	LC ※4 (μA)	Part number	Min. Packaging Qty (pcs)
TPU	2.5	85	2.5	85	47	2.0	1.25	0.9	S09	510	150	0.10	23.5	2R5TPU47MSI	3000
										510	150	0.10	50.0	ETPU100MSI	3000
	4	85	4.0	85	68	2.0	1.25	0.9	S09	510	150	0.10	54.4	4TPU68MSI	3000
										400	250	0.10	6.3	6TPU10MSI	3000
	6.3	85	6.3	85	22	2.0	1.25	0.9	S09	510	150	0.10	27.7	6TPU22MSI	3000
										510	150	0.10	59.2	6TPU47MSI	3000
										670	100	0.10	94.5	6TPU150MBI	3000
										360	300	0.10	4.7	10TPU4R7MSI	3000
10	85	10.0	85	4.7	2.0	1.25	0.9	S09	360	300	0.10	4.7	10TPU4R7MSI	3000	

※1: Ripple current (100 kHz / +45 °C), ※2: ESR (100 kHz / +20 °C) ※3: tan δ (120 Hz / +20 °C) ※4: After 5 minutes

◆ Please refer to each page in this catalog for "Reflow conditions" and "Taping specifications".

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.