POSCAP

Surface Mount Type

Series : TH

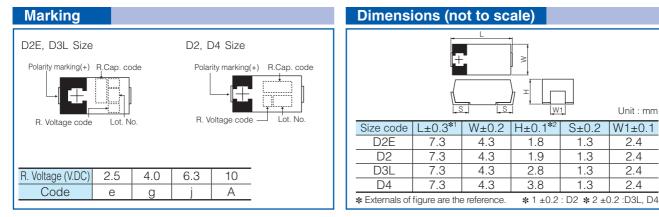
Features

• Guaranteed at 125 °C, 1000h

RoHS compliance, Halogen free

Specifications

opeemeations											
Size code	D2E	D2	D3L	D4							
Category temperature range	–55 °C to +125 °C										
Rated voltage range	2.5 V.DC to 6.3 V.DC	2.5 V.DC to 10 V.DC	4 V.DC to 6.3 V.DC	6.3 V.DC to 10 V.DC							
Category voltage range	1.6 V.DC to 4.0 V.DC	C 1.6 V.DC to 6.3 V.DC	2.5 V.DC to 4.0 V.DC	4.0 V.DC to 6.3 V.DC							
Rated capacitance range	150 µF to 330 µF	68 µF to 220 µF	220 µF to 330 µF	220 µF to 470 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 (V.DC)	Rated voltage × 1.15										
	+125 °C 1000h, category voltage appled										
Endurance	Capacitance change Within ±20 % of the initial value										
	tan δ \leq 2 times of the initial limit										
	DC leakage current ≤ 2 times of the initial limit										
	+60 °C, 90 % to 95 %, 500 h, No-applied voltage										
Damp heat	Capacitance change Within +40 %, -20 % of the initial value										
(Steady State)	tan δ	≤ 1.5 times of the initial limit									
	DC leakage current	$t \leq 3$ times of the initial limit									



Characteristics list

	Rated voltage (V.DC)	temp. vo	0	0-1	capacitance	Case size (mm)			Specifications			Standard		Floor life			
Series			voltage (V.DC)	Category temp. (°C)		L	W	Н	Size code	Ripple*1 current (mAr.m.s.)	ESR *2 (mΩ max.)	tan δ^{*^3}	LC *4 (µA)	Part number	Min. Packaging Q'ty (pcs)	Reflow Temp ≤ 260°C	Reflow Temp ≤ 250°C
THB	4.0	105	2.5	125	330	7.3	4.3	2.8	D3L 2000 3000 D4 3000 3000	2000	40	0.10	132.0	4THB330ML	2500		5
	6.3	105	4.0	125	220	7.3	4.3	2.8		2000	40	0.10	138.6	6THB220ML	2500		
		105	4.0	125	330	7.3	4.3	3.8		3000	40	0.10	207.9	6THB330M	2000		
		105	4.0	125	470	7.3	4.3	3.8		3000	35	0.10	296.1	6THB470M	2000		
	10	105	6.3	125	220	7.3	4.3	3.8		3000	40	0.10	220.0	10THB220M	2000		
		105	6.3	125	330	7.3	4.3	3.8		3000	35	0.10	330.0	10THB330M	2000		
THC	2.5	105	1.6	125	220	7.3	4.3	1.9	D2	1700	45	0.10	55.0	2R5THC220M	3000		
	6.3	105	4.0	125	150	7.3	4.3	1.9		1900	40	0.10	94.5	6THC150M	3000		
	10	105	6.3	125	68	7.3	4.3	1.9		1700	45	0.10	68.0	10THC68M	3000	-	
THE	2.5	105	1.6	125	330	7.3	4.3	1.8	D2E	3100	15	0.10	82.5	2R5THE330MF	3000		
		105	1.6	125		7.3	4.3	1.8		2800	18	0.10	82.5	2R5THE330MI	3000		
		105	1.6	125		7.3 4	4.3	1.8		2400	25	0.10	82.5	2R5THE330M	3000		
	4.0	105	2.5	125	220	7.3	4.3	1.8		3100	15	0.10	88.0	4THE220MF	3000		
		105	2.5	125		7.3	4.3	1.8		2800	18	0.10	88.0	4THE220MI	3000		
		105	2.5	125		7.3	4.3	1.8		2400	25	0.10	88.0	4THE220M	3000		
	6.3	105	4.0	125	150 7.3	7.3	4.3	1.8		2800	18	0.10	94.5	6THE150MI	3000		
		105	4.0	125	150	7.3	4.3	1.8		2400	25	0.10	94.5	6THE150M	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 catarog 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.

Unit : mm

2.4

2.4

2.4

2.4

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