

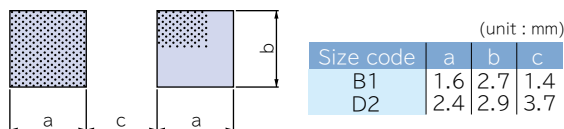
Surface mount type TPC Series

RoHS compliance, Halogen free
Low profile: 1.1mm (B1)

Specifications

Marking and dimensions

Recommended land pattern dimension of PWB



Size list

RV:Rated voltage

RV	6.3	8.0	10.0	12.5
10				B1
15				B1
22		B1		
33	B1		B1	
47	B1			
68			D2	
100	D2		D2	
150	D2	D2		
330	D2			

TPC series characteristics list

Size code	Part number	Rated voltage (V)	Rated temperature (°C)	Rated capacitance (μF)	Category voltage (V)	Category temperature (°C)	DF (% max)	LC (μA) max/5min.	ESR (mΩ max) 100kHz/20°C	Maximum allowable ripple current (mA rms) 100kHz※1	MSL	
											Reflow temp. ≤ 260°C	Reflow temp. ≤ 250°C
B1	12TPC15M	12.5	85	15	10	105	10	18.8	80	800	3	3
	12TPC10M	12.5	85	10	10	105	10	12.5	80	800	3	3
	8TPC22M	8.0	85	22	6.3	105	10	17.6	70	1000	3	3
	6TPC47MB	6.3	85	47	5.0	105	10	29.6	70	1000	3	3
	6TPC47M	6.3	85	47	5.0	105	10	29.6	55	1100	3	3
D2	10TPC100M	10	105	100	10	105	10	100.0	45	1700	3	2a
	10TPC68M	10	105	68	10	105	10	68.0	45	1700	3	2a
	8TPC150M	8.0	105	150	8.0	105	10	120.0	40	1900	3	2a
	6TPC330MA	6.3	85	330	5.0	105	10	207.9	40	1900	3	2a
	6TPC150M	6.3	105	150	6.3	105	10	94.5	40	1900	3	2a
	6TPC100M	6.3	105	100	6.3	105	10	63.0	45	1700	3	2a

※1 100k~500kHz,45°C