



Classification	Series	Page	Features	Small size - Low profile	High capacitance	Low ESR	Low ESL	High voltage - High reliability	Size code	Category temperature range(°C)	Rated voltage range (V.DC)	Capacitance range(μF)	L×W (mm)	H (mm)	
SMD type	TPSF <small>UP</small>	86	Low ESR · Small size High capacitance Face down terminal	●	●	●			B2S	-55 to +105	2.0 to 11	62 to 270	3.5×2.8	1.9	
	TPU	87	Small size Low profile Face down terminal	●						S09	-55 to +85	2.5 to 10	4.7 to 47	2.0×1.25	0.9
										S11	-55 to +85	2.5 to 6.3	33 to 68	2.0×1.25	1.1
										A09	-55 to +85	2.5 to 10	33 to 100	3.2×1.6	0.9
										B09	-55 to +85	6.3	150	3.5×2.8	0.9
	TPL TPLF <small>UP</small>	88 to 89	Low ESR Low ESL Face down terminal							D12T	-55 to +105	2.0 to 6.3	100 to 220	7.3×4.3	1.1
										D15T	-55 to +105	2.5 to 6.3	150 to 330	7.3×4.3	1.4
										D2T	-55 to +105	2.0 to 2.5	220 to 560	7.3×4.3	1.8
	TPF	90	Low ESR High capacitance							D2E	-55 to +105	2.0	220 to 330	7.3×4.3	1.8
										D3L	-55 to +105	2.5 to 10	150 to 680	7.3×4.3	2.8
	TPG	91	Small size Low profile High capacitance							B1G	-55 to +105	2.5 to 12.5	33 to 220	3.5×2.8	1.1
										B15G	-55 to +105	4.0 to 6.3	150 to 220	3.5×2.8	1.4
	TPE <small>UP</small>	92 to 95	Low ESR							B2	-55 to +105	2.0 to 10	47 to 330	3.5×2.8	1.9
										C2	-55 to +105	2.5 to 8.0	100 to 330	6.0×3.2	1.8
										C3	-55 to +105	6.3 to 10	150 to 220	6.0×3.2	2.5
										D2E	-55 to +105	2.0 to 10	68 to 470	7.3×4.3	1.8
D3L										-55 to +105	2.5 to 10	220 to 680	7.3×4.3	2.8	
D4										-55 to +105	2.5 to 10	330 to 1,500	7.3×4.3	3.8	



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				Small size - Low profile	High capacitance	Low ESR	Low ESL	High voltage - High reliability						
SMD type	TPB	96 to 97	Standard						B2	-55 to +105	2.5 to 10	33 to 100	3.5x2.8	1.9
									C	-55 to +105	8.0 to 10	68 to 82	6.0x3.2	2.8
									D3L	-55 to +105	4.0 to 10	150 to 330	7.3x4.3	2.8
									D4	-55 to +105	6.3 to 10	220 to 470	7.3x4.3	3.8
	TPC	98 to 99	Low profile	●					B1	-55 to +105	2.5 to 12.5	10 to 56	3.5x2.8	1.1
								C1	-55 to +105	4.0 to 8.0	33 to 100	6.0x3.2	1.4	
								D2	-55 to +105	6.3 to 10	68 to 330	7.3x4.3	1.9	
	TPD	100	Low ESR High capacitance		●	●			D4D	-55 to +105	2.5 to 6.3	470 to 1,000	7.3x4.3	3.6
	TA	101	High reliability (for the car electronics)					●	B2	-55 to +105	4.0 to 10	47 to 100	3.5x2.8	1.9
								D2E	-55 to +105	2.5 to 10	68 to 470	7.3x4.3	1.8	
								D3L	-55 to +105	2.5 to 10	150 to 680	7.3x4.3	2.8	
	TH	102 to 103	Guaranteed at 125°C					●	D2E	-55 to +125	2.5 to 6.3	150 to 330	7.3x4.3	1.8
								D2	-55 to +125	2.5 to 10	68 to 220	7.3x4.3	1.9	
								D3L	-55 to +125	4.0 to 6.3	220 to 330	7.3x4.3	2.8	
								D4D	-55 to +125	2.5 to 6.3	330 to 680	7.3x4.3	3.8	
	TQC <small>UP</small>	104 to 105	High voltage					●	D4	-55 to +125	4.0 to 10	220 to 680	7.3x4.3	3.8
								B2	-55 to +105	16 to 25	5.6 to 15	3.5x2.8	1.9	
								C	-55 to +105	16 to 25	10 to 22	6.0x3.2	2.8	
								D2	-55 to +105	16 to 35	10 to 68	7.3x4.3	1.9	
									D3L	-55 to +105	16 to 25	33 to 68	7.3x4.3	2.8
								D3	-55 to +105	16	100	7.3x4.3	3.1	

POSCAP Line-up



Guidelines and precautions for use

Series system diagram  
Image of case size  
Products list  
Explanation of part numbers  
Packing specifications

Marking  
Recommended land pattern dimension  
Recommended soldering condition  
Fundamental structure  
Characteristics  
Reliability

- Tantalum Solid Capacitors with Conductive Polymer
- TPSF
  - TPU
  - TPL-TPLF
  - TPF
  - TPG
  - TPE
  - TPB
  - TPC
  - TPD
  - TA
  - TH
  - TQC