

Line up

Series	Features	Small size/Low profile	Large capacitance	Low ESR	High reliability	High voltage	Guaranteed at 125°C	Category temp. range (°C)	Rated voltage (V)	ESR (mΩ)	Capacitance (μF)	Size code	Size (mm)		
													L	W	H
TPS	Small size/Low profile Large capacitance Face down terminal	●	●					-55 to 105	2.5 to 6.3	30 to 35	150 to 330	B1S	3.5	2.8	1.1
TPSF	Low ESR/Small size Large capacitance Face down terminal	●	●	●				-55 to 105	2.0 to 2.5	6 to 9	270	B2S	3.5	2.8	1.9
TPE	Low ESR				●			-55 to 105	2.0 to 10	9 to 70	47 to 470	B2	3.5	2.8	1.9
								-55 to 105	2.5 to 10	7 to 45	68 to 470	D2E	7.3	4.3	1.8
								-55 to 105	2.5 to 10	9 to 40	150 to 680	D3L	7.3	4.3	2.8
								-55 to 105	2.5 to 10	10 to 40	330 to 1500	D4	7.3	4.3	3.8
TPF	Low ESR Large capacitance		●	●				-55 to 105	2.5 to 10	5 to 25	150 to 680	D3L	7.3	4.3	2.8
								-55 to 105	2.5 to 6.3	5 to 35	470 to 1000	D4	7.3	4.3	3.8
TQT	High voltage Low profile Large capacitance	●	●			●		-55 to 105	35	100	56	D15S	7.3	4.3	1.4
TQS	High voltage	●				●		-55 to 105	35	100	47	D15S	7.3	4.3	1.4
								-55 to 105	35	100	68	D2S	7.3	4.3	1.9
UPDATE TQC	High voltage					●		-55 to 105	16 to 35	90 to 200	10 to 47	B2	3.5	2.8	1.9
								-55 to 105	16 to 25	55 to 70	22 to 47	D15	7.3	4.3	1.4
								-55 to 105	16 to 35	40 to 150	10 to 150	D2	7.3	4.3	1.9
								-55 to 105	16 to 25	50 to 70	68 to 220	D3L	7.3	4.3	2.8
TA	High reliability				●			-55 to 105	4.0 to 10	70	47 to 100	B2	3.5	2.8	1.9
								-55 to 105	2.5 to 6.3	9 to 25	150 to 470	D2E	7.3	4.3	1.8
								-55 to 105	2.5 to 10	15 to 25	150 to 680	D3L	7.3	4.3	2.8
TV	High reliability Guaranteed at 125 °C				●	●		-55 to 125	6.3 to 10	25	68 to 150	D2E	7.3	4.3	1.8
								-55 to 125	10	25	150	D3L	7.3	4.3	2.8
TPB	Standard							-55 to 105	4.0 to 10	70	33 to 68	B2	3.5	2.8	1.9
								-55 to 105	4.0 to 10	40 to 55	150 to 330	D3L	7.3	4.3	2.8
								-55 to 105	6.3 to 10	35 to 40	220 to 470	D4	7.3	4.3	3.8

TPE/TPF/TPC/TQC/TC series some part numbers : Not recommended for new design

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													L	W	H	
NRFND	Guaranteed at 125 ℃						●	-55 to 125	2.5 to 6.3	15 to 25	150 to 330	D2E	7.3	4.3	1.8	
TH								-55 to 125	2.5 to 10	40 to 45	68 to 220	D2	7.3	4.3	1.9	
								-55 to 125	4.0 to 6.3	40	220 to 330	D3L	7.3	4.3	2.8	
								-55 to 125	6.3 to 10	35 to 40	220 to 470	D4	7.3	4.3	3.8	
TC	Guaranteed at 125 ℃						●	-55 to 125	2.5	9	330	B2	3.5	2.8	1.9	
								-55 to 125	4.0 to 6.3	15 to 25	100 to 330	D2E	7.3	4.3	1.8	
								-55 to 125	2.5 to 10	5 to 25	150 to 680	D3L	7.3	4.3	2.8	
								-55 to 125	2.5 to 10	5 to 25	330 to 1000	D4	7.3	4.3	3.8	
UPDATE	High voltage Guaranteed at 125 ℃						● ●	-55 to 125	16 to 25	90 to 100	15 to 33	B2	3.5	2.8	1.9	
								TDC	-55 to 125	16	50	100	D2	7.3	4.3	1.9
									-55 to 125	16 to 25	50 to 70	68 to 150	D3L	7.3	4.3	2.8
TPC	Low profile	●						-55 to 105	10	45 to 100	68 to 100	D2	7.3	4.3	1.9	

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NRFND

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