

● **TPF 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 (mΩmax) 100kHz/20°C	Maximum allowable ripple current (mA _{RMS}) 100kHz※1	MSL	
											Reflow temp. ≤ 260°C	Reflow temp. ≤ 250°C
D2E	2TPF330M6	2.0	105	330	2.0	105	10.0	132.0	6	4400	—	2a
	2TPF220M6	2.0	105	220	2.0	105	10.0	88.0	6	4400	—	2a
D3L	10TPF150ML	10	105	150	10	105	10.0	150.0	15	3600	—	2a
	6TPF330M9L	6.3	105	330	6.3	105	10.0	207.9	9	3900	3	2a
	6TPF220ML	6.3	105	220	6.3	105	10.0	138.6	12	4000	3	2a
	6TPF220M9L	6.3	105	220	6.3	105	10.0	138.6	9	3900	3	2a
	6TPF220M5L	6.3	105	220	6.3	105	10.0	138.6	5	4000	3	2a
	4TPF470ML	4.0	105	470	4.0	105	10.0	188.0	10	4400	3	2a
	4TPF470M5EL※2	4.0	105	470	4.0	105	10.0	188.0	5/500kHz	4400	3	2a
	4TPF330ML	4.0	105	330	4.0	105	10.0	132.0	12	4000	3	2a
	2R5TPF680ML	2.5	105	680	2.5	105	10.0	170.0	10	4400	3	2a
	2R5TPF680M7L	2.5	105	680	2.5	105	10.0	170.0	7	4400	3	2a
	2R5TPF680M6L	2.5	105	680	2.5	105	10.0	170.0	6	4400	3	2a
	2R5TPF470ML	2.5	105	470	2.5	105	10.0	117.5	10	4400	3	2a
	2R5TPF470M7L	2.5	105	470	2.5	105	10.0	117.5	7	4400	3	2a
	2R5TPF470M6L	2.5	105	470	2.5	105	10.0	117.5	6	4400	3	2a
	2R5TPF330M7L	2.5	105	330	2.5	105	10.0	82.5	7	4400	3	2a
D4	6TPF470MAH	6.3	105	470	6.3	105	10.0	296.1	10	4400	3	2a
	4TPF680MAH	4.0	105	680	4.0	105	10.0	272.0	10	4400	3	2a
	ETPF1000M6H	2.5	105	1000	2.5	105	10.0	250.0	6	5600	3	2a
	ETPF1000M5H	2.5	105	1000	2.5	105	10.0	250.0	5	6100	3	2a
	ETPF680M5H	2.5	105	680	2.5	105	10.0	170.0	5	6100	3	2a
	ETPF470M5H	2.5	105	470	2.5	105	10.0	117.5	5	6100	3	2a

※1 100k to 500kHz,45°C ※2 Under development