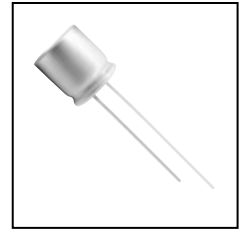


- Super low E.S.R. impedance and high heat resistance.
- Suitable for DC-DC converters, voltage regulators and decoupling applications used for computer motherboards etc.

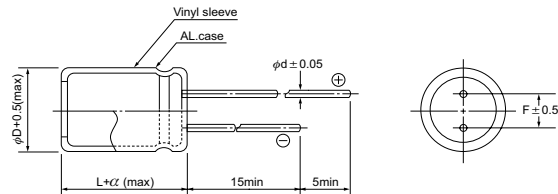


● SPECIFICATION

Item	Characteristic					
Operation Temperature Range	-55 ~ +105°C					
Rated Working Voltage	2.5 ~ 16V					
Capacitance Tolerance (120Hz 20°C)	±20%					
Leakage Current (2min)	The initial specified value in Characteristic list					
Surge Voltage (20°C)	W.V.	2.5	4	6.3	10	16
	S.V.	2.8	4.6	7.2	11.5	18.4
Tangent of loss angle (120Hz)	The initial specified value or loss (in Characteristic list)					
Low Temperature Stability	Impedance ratio at 100kHz					
	Rated Voltage (V)	2.5	4	6.3	10	16
	-55°C / +20°C	0.75 ~ 1.25				
	+105°C / +20°C	0.75 ~ 1.25				
Load Life	After 2000 hours application of W.V. at +105°C, the capacitor shall meet the following limits.					
	Capacitance Change	≅ ±20% of the initial measured value				
	Dissipation Factor	≅ 150% of the initial specified value				
	Leakage current	≅ initial specified value				

● DIMENSIONS (mm)

φD	8x8	10x8	10x12.5
F	3.5	5.0	5.0
D	0.6	0.6	0.6
α	1.5	1.5	1.5



● CASE SIZE & CHARACTERISTICS LIST

Rated Voltage (V.DC)	Rated Capacitance (μA)	Case size		Leakage Current (μA)	Tangent of loss angle (max)	E. S. R. at 100kHz (mΩ)	Allowable ripple current (mA.rms)	Part Number
		φD	L					
		(mm)						
2.5	560	8	8	280	0.06	8	5500	PTR561M0EF08W
	680	8	8	340	0.06	8	5500	PTR681M0EF08W
	820	8	8	410	0.06	8	5500	PTR821M0EF08W
	1000	8	8	500	0.06	8	5500	PTR102M0EF08W
	1200	8	8	600	0.06	8	5500	PTR122M0EF08W
4	560	8	8	448	0.06	8	5500	PTR561M0GF08W
	680	8	8	544	0.06	8	5500	PTR681M0GF08W
	820	8	8	656	0.06	8	5500	PTR821M0GF08W
	1000	8	8	800	0.06	8	5500	PTR102M0GF08W
6.3	330	8	8	416	0.06	8	5500	PTR331M0JF08W
	390	8	8	491	0.06	8	5500	PTR391M0JF08W
	470	8	8	592	0.06	8	5500	PTR471M0JF08W
	560	8	8	706	0.06	8	5500	PTR561M0JF08W
	680	8	8	857	0.06	8	5500	PTR681M0JF08W
10	220	8	8	440	0.05	12	4000	PTR221M1AF08W
	270	8	8	540	0.05	10	4500	PTR271M1AF08W
	470	8	8	940	0.05	10	4800	PTR471M1AF08W
16	100	8	8	320	0.05	20	4000	PTR101M1CF08W
	150	8	8	480	0.05	17	4000	PTR151M1CF08W
	180	8	8	576	0.05	15	4400	PTR181M1CF08W
2.5	1500	10	8	750	0.06	7	6100	PTR152M0EG08W
	1800	10	8	900	0.06	7	6100	PTR182M0EG08W
	2200	10	8	1100	0.06	7	6100	PTR222M0EG08W
4	1200	10	8	960	0.06	7	6100	PTR122M0GG08W
	1500	10	8	1200	0.06	7	6100	PTR152M0GG08W
6.3	820	10	8	1033	0.06	7	6100	PTR821M0JG08W
	1000	10	8	1260	0.06	7	6100	PTR102M0JG08W
10	680	10	8	1360	0.06	8	5500	PTR681M1AG08W
	820	10	8	1640	0.06	8	5500	PTR821M1AG08W
16	330	10	8	1056	0.05	12	5100	PTR331M1CG08W
2.5	2700	10	12.5	1350	0.06	6	6400	PTR272M0EGBCW
10	1000	10	12.5	2000	0.05	7	5800	PTR102M1AGBCW
16	470	10	12.5	1504	0.05	12	5500	PTR471M1CGBCW