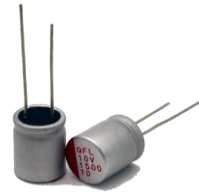


SHENZHEN SHCON ELECTRONIC CO., LTD

TA SERIES

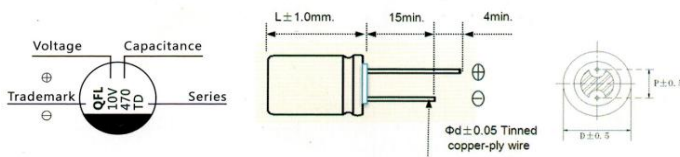
- Low Impedance, High Ripple Current
- Load Life 3000hrs @ 105c
- ISO RoHs Complied



SPECIFICATIONS

ITEMS	CHARACTERISTICS	
Category		
Temperature Range	-55c ~ +105c	
Rated Voltage Range	2.5 ~25v	
Capacitance Tolerance	±20%(M) (@20c, 120Hz)	
Leakage Current	$I \leq 0.15CV$	
	Less than or equal to the specified value. After 2 minuter's application of rated voltage at 20c	
Tan Dissipation Factor	Rateed Voltage (v)	2.5~25
	Tan (Max.)	0.12
Low Temperature Characteristics (Max. Impedance Ratio)	Z(-25c)/Z(+20c)	≤1.25
	Z(-55c)/Z(+20c)	≤1.25
Endurance	The specifications listed below shall be satisfied when the capacitors are restored to 20c after application of rated voltage for 3000hrs at 105c	
	Appearance	No significant damage
	Capacitance change	≤±20% of the initial calue
	D.F.(tan)	≤150% fo the specified value
	ESR	≤150% fo the specified value
	Leakage current	≤the specified value
Damp Hear (Steady State)	The specifications listed below shall be satisfied when the capacitors are restored to 20c after application of rated voltage for 1000hrs at 60c, 90%~95%RH	
	Appearance	No significant damage
	Capacitance change	≤±20% of the initial calue
	D.F.(tan)	≤150% fo the specified value
	ESR	≤150% fo the specified value
	Leakage current	≤the specified value
Surge Voltage	Surge voltage = Rated voltage x 1.15(v)	
	The capacitor shall be subjected to 1000 cycles each consisting of charge with the surge voltages specified at 105c for 30 second through a proective resistor (Rc=1KΩ) and	
	Appearance	No significant damage
	Capacitance change	≤±20% of the initial calue
	D.F.(tan)	≤150% fo the specified value
	ESR	≤150% fo the specified value
Leakage current	≤the specified value	

DIMENSIONS (MM)



ΦD	5	6.3	8	10
P	2	2.5	3.5	5
Φd	0.5	0.5	0.6	0.6

STANDARD RATINGS

Rated Voltage(v)	Rated Capacitance (uf)	Case Size (D*L mm)	ESR(mΩ) @20c, 100KHz	Rated Ripple Current (mArms/105c/100kHz z)
2.5(0E)	680	8*12	10	5330
	820	8*12	10	5330
	1500	10*12	10	5600
4(0G)	560	8*12	10	5330
	820	10*12	10	5600
	1000	10*12	10	5600
	1200	10*12	10	5600
6.3(0J)	330	6.3*11	16	3000
	470	6.3*11	16	3000
	680	6.3*11	16	3500
	820	6.3*11	16	3500
	330	8*12	12	4800
	390	8*12	12	4820
	470	8*12	12	4820
	680	8*12	12	4820
	680	10*12	10	5600
	820	8*12	12	4820
	1000	8*12	8	4820
	820	10*12	10	5600
	1000	10*12	10	5600
	1500	10*12	10	5600
8	820	6.3*11	16	3500
10(1A)	270	8*12	12	4420
	330	8*12	12	4420
	390	8*12	12	4500
	470	8*12	12	4500
	560	8*12	12	4500
	820	8*12	12	4500
	1000	8*12	12	4500
	680	10*12	12	4500
	820	10*12	12	4500
	1500	10*12	12	4500
16(1C)	220	8*12	13	4500
	270	8*12	13	4800
	330	8*12	13	4800
	470	8*12	13	4800
	560	10*12	13	5250
20(1D)	100	8*12	24	3320
	150	10*12	20	4420
25(1E)	47	8*12	24	2320
	68	8*12	24	3320
	100	8*12	15	4420
	220	10*12	15	4900
	330	10*12	15	4900

RATED RIPPLE CURRENT COEFFICIENT

Frequency(Hz)	120Hz ≤ F < 1kHz	1kHz ≤ F < 10kHz	10kHz ≤ F < 100kHz	100kHz ≤ F < 500kHz
Coefficient	0.05	0.3	0.7	1