

TG 系列 SERIES

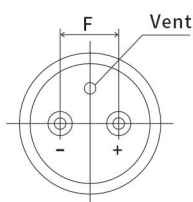
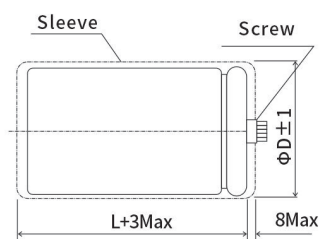
- 105°C Long life, Screw Type
- Load life : 105°C 5000 hours
- Complied to the RoHS directive



◆ Specification

Items	Characteristics		
Operating Temperature Range(°C)	-25~+105		
Voltage Range (V)	350~450		
Capacitance Range (μF)	1000~15000		
Capacitance Tolerance(20°C,120Hz)	± 20%		
Leakage Current (μA)	350~450V		
	I ≤ 0.01CV or 5000μA whichever is smaller After 5 minute at 20°C application of rated voltage		
	I:Max. leakage current (μA), C:Nominal Capacitance (μF) ,V :Rated Voltage (V)		
Dissipation Factor (20°C,120Hz)	U _R (V)	350~400	450
	tgδ	0.2	0.25
Load Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the rated rippled current is applied for 5000 hours at 105°C		
	Capacitance change	Within ±20%initial value	
	D.F.(Tanδ)	Not more than 200% of specified value	
	Leakage current	Not more than specified value	
Shelf Life	The following specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°Cwithout voltage applied .		
	Capacitance change	≤ ± 20% of the initial value	
	D.F.(Tanδ)	≤200% of specified value	
	Leakage current	≤200% of specified value	

◆ Dimensions(mm)



(Unit: mm)

ΦD	50.8	63.5	76	89	100
F	22	28	32	32	42

◆ Frequency Coefficient

Frequency	60Hz	120Hz	1KHz	10KHz	100KHz
Voltage Range (V)					
350~ 450	0.70	1.00	1.10	1.30	1.40

◆ Temperature Coefficient

Temperature(°C)	+40	+55	+70	+85	+105
Coefficient	3.8	3.00	2.50	2.00	1.00

◆ Ratings for TG Series

UR (Surge Voltage) Code	Rated Capacitance	Rated Ripple Current 105°C 120Hz	Size φD×L
(V)	(μF)	(Arms)	(mm)
350V (400)2V	1000	3.9	50.8×70
	1200	4.2	50.8×80
	1500	5.2	50.8×95
	1800	5.7	50.8×105
	2200	7.1	50.8×130
	2700	7.7	63.5×95
	3300	9.1	63.5×115
	3900	10.4	63.5×130
	4700	11.5	76×115
	5600	13.1	76×130
	6800	15.5	76×155
	8200	18.1	89×140
	10000	19.9	89×155
	12000	23.8	89×195
	15000	28.8	89×235
400(450)2G	1000	3.9	50.8×80
	1200	4.6	50.8×95
	1500	5.6	50.8×115
	1800	6.4	50.8×130
	2200	6.9	63.5×95
	2700	8.2	63.5×115
	3300	9.5	63.5×130
	3900	10.4	76×115
	4700	12.0	76×130
	5600	14.0	76×155
	6800	16.5	89×155
	8200	18.1	89×170
	10000	21.7	89×195
	12000	25.8	89×235

UR (Surge Voltage) Code	Rated Capacitance	Rated Ripple Current 105°C 120Hz	Size φD×L
(V)	(μF)	(Arms)	(mm)
450(500)2W	1000	4.2	50.8×95
	1200	5.0	50.8×115
	1500	5.9	50.8×130
	1800	6.3	63.5×95
	2200	7.4	63.5×115
	2700	8.7	63.5×130
	3300	10.1	76×115
	3900	12.3	76×130
	4700	12.9	76×155
	5600	14.9	89×155
	6800	18.0	89×170
	8200	19.8	89×195
	10000	23.6	89×235