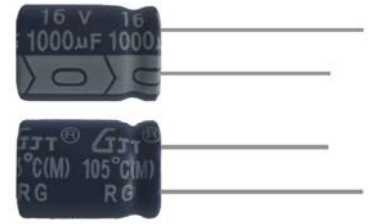


RG 105°C, Standard

105°C 标准品

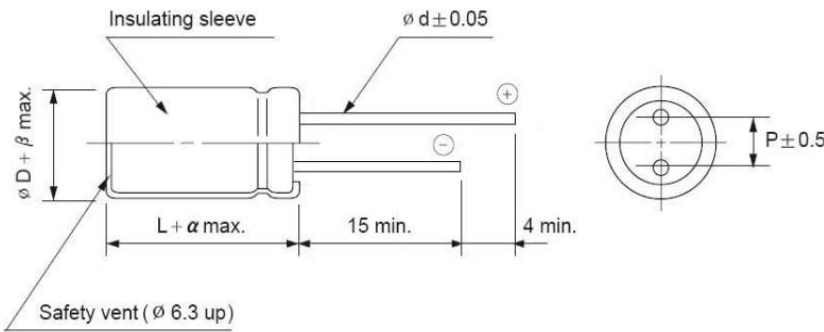
- 105°C, 1000 hours assured.
105°C, 1000 小时寿命品。
- This series is for communication equipments, switching power supply, industrial measuring Instruments, etc.
适用于通讯设备、开关电源、工业测试仪器等



Specifications 特性表

Items 项目	Characteristics 主要特性										
Rated Voltage Range 额定工作电压范围	6.3~100V _{dc}	160~450 V _{dc}									
Category Temperature Range 使用温度范围	-40 ~ +105°C										
Capacitance Tolerance 静电容量允许偏差	±20% (M), at 20°C, 120Hz										
Leakage Current 漏电流, 20°C 环境下施加工作电压 2 分钟后. (at 20°C, After 2 minutes)	I ≤ 0.01CV or 3µA, whichever is greater 漏电流 ≤ 0.01CV or 3µA, 取较大值	CV ≤ 1000, I ≤ 0.03CV + 15µA 漏电流 ≤ 0.03CV + 15µA CV > 1000, I ≤ 0.02CV + 25µA 漏电流 ≤ 0.02CV + 25µA									
Dissipation Factor (Tanδ, at 20°C, 120Hz) 损耗角正切值 (测试条件为 20°C, 120Hz)	Where, I : Max. leakage current (漏电流, µA), C : Nominal capacitance (静电容量, µF), V : Rated voltage (额定电压 V)										
	Rated voltage (V) 额定工作电压	6.3	10	16	25	35	50	63	100	160~250	350~450
Low Temperature Characteristics (Max. Impedance Ratio, 120Hz) 低温特性最大阻抗比	Tanδ (Max.) 最大损耗角正切	0.24	0.20	0.17	0.15	0.12	0.10	0.09	0.08	0.15	0.20
	Rated voltage (V) 额定工作电压	6.3	10	16	25	35	50	63	100	160~250	350~450
	Z(-25°C)/Z(20°C)	8	6	4	4	3	3	3	3	4	8
Endurance 耐久性	The following specification shall be satisfied when the capacitors are restored to 20°C after subjected to DC voltage with the ripple current is applied for the specified period of time at 105°C. 在 105°C 环境中, 不超过额定电压的范围下叠加额定纹波电流, 连续加载规定时间的额定电压后, 待温度恢复到 20°C 进行测量时, 应满足以下要求。										
	Test Time 测试时间	1,000Hrs									
	Capacitance Change 静电容量变化率	Within ±20% initial value 初始值的±20%以内									
Shelf Life 高温贮存	The above specifications shall be satisfied when the capacitors are restored to 20°C after exposing them for 1,000 hours at 105°C without voltage applied. Before the measurement, the capacitor shall be preconditioned by applying voltage according to Item 4.1 of IEC 60384-4. 在 105°C 环境中, 无负荷放置 1,000 小时后待温度恢复到 20°C, 进行试验前处理(IEC 60384-4 4.1 项)后进行测量时, 应满足以下要求。										
	Capacitance Change 静电容量变化率	Within ±20% initial value 初始值的±20%以内									
	Leakage Current 漏电流	≤The initial specified value 不大于规范值									

Drawing(Unit: mm) 外形图



Rated ripple current multipliers(Unit: mm) 额定纹波修正系数

Frequency 频率 (Hz)	60Hz	120Hz	300Hz	1KHz	10KHz~	
Coefficient 系数	Under 100µF	0.70	1.00	1.15	1.40	1.50
	100 to 1,000	0.75	1.00	1.18	1.30	1.35
	1,000 up above	0.80	1.00	1.05	1.12	0.15

The endurance of capacitors is reduced with internal heating produced by ripple current at the rate of halving the lifetime with every 5°C rise.

铝电解电容器由于在纹波电流叠加时自我发热、温度上升而老化, 每升温 5°C 寿命减少一半。

When long life performance is required in actual use, the rms ripple current has to be reduced.

要想保持长寿命请在使用过程中降低纹波电流。

RG Series

■ Standard ratings 标准品一览表

WV μF	6.3		10		16		25		35		50		63		
	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	
0.1											5x11	1.3	5x11	1.3	
0.22											5x11	2.9	5x11	2.9	
0.33											5x11	4	5x11	4.5	
0.47											5x11	7	5x11	7	
1											5x11	13	5x11	13	
2.2											5x11	20	5x11	20	
3.3											5x11	26	5x11	28	
4.7								5x11	26	5x11	28	5x11	32	5x11	32
6.8								5x11	32	5x11	36	5x11	40	5x11	40
10					5x11	35	5x11	38	5x11	46	5x11	48	5x11	48	
22			5x11	45	5x11	54	5x11	58	5x11	61	5x11	61	6.3x11	77	
33	5x11	54	5x11	60	5x11	64	5x11	69	5x11	75	6.3x11	90	6.3x11	95	
47	5x11	65	5x11	70	5x11	72	5x11	78	5x11	85	6.3x11	110	6.3x11	115	
68	5x11	75	5x11	80	5x11	105	6.3x11	110	6.3x11	115	6.3x11	135	8x11.5	160	
100	5x11	96	5x11	105	5x11	115	6.3x11	130	6.3x11	145	8x11.5	185	10x12.5	210	
120	5x11	110	5x11	115	6.3x11	145	6.3x11	145	8x11.5	180	8x11.5	200	10x16	255	
150	5x11	120	5x11	130	6.3x11	150	6.3x11	160	8x11.5	210	10x12.5	245	10x16	270	
180	5x11	130	6.3x11	160	6.3x11	170	8x11.5	195	8x11.5	220	10x12.5	270	10x16	310	
220	6.3x11	160	6.3x11	175	6.3x11	185	8x11.5	220	10x12.5	275	10x12.5	300	10x16	355	
330	6.3x11	195	8x11.5	250	8x11.5	260	8x14	295	10x12.5	340	10x16	410	10x20	470	
470	6.3x11	210	8x11.5	290	8x11.5	310	10x12.5	360	10x16	450	10x20	550	13x20	630	
560	8x11.5	310	8x11.5	330	10x12.5	360	10x16	450	10x20	540	13x20	660	13x25	740	
680	8x11.5	360	10x12.5	410	10x12.5	430	10x16	490	10x20	595	13x25	770	13x25	820	
820	8x11.5	390	10x12.5	450	10x12.5	460	10x20	600	13x20	730	13x25	850	16x25	920	
1000	8x11.5	415	10x12.5	510	10x16	570	10x20	655	13x20	810	16x25	1000	16x25	1060	
1200	10x12.5	550	10x12.5	550	10x16	625	13x20	810	13x20	880	16x25	1150	16x35.5	1200	
1500	10x12.5	580	10x16	670	10x20	770	13x20	900	13x25	960	16x25	1300	18x31.5	1350	
1800	10x16	710	10x16	740	10x20	840	13x20	1050	16x25	1150	16x35.5	1480			
2200	10x16	740	10x20	860	13x20	1000	13x25	1200	16x25	1290	16x35.5	1530			
3300	10x20	960	13x20	1100	13x25	1200	16x25	1460	16x31.5	1650	18x35.5	1750			
4700	13x20	1150	13x25	1350	16x25	1600	16x31.5	1780	18x35.5	1900					
10000	16x25	1680	16x31.5	1900	18x31.5	2060									
12000	16x31.5	1750	16x35.5	2050	18x35.5	2150									
15000	16x31.5	2075	18x31.5	2180											
18000	18x31.5	2150	18x35.5	2205											
22000	18x35.5	2300													

WV μF	100		160		200		250		350		400		450	
	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.	ΦD x L	R.C.
0.47	5x11	8					6.3x11	8	6.3x11	8				
1	5x11	15					6.3x11	16	6.3x11	16	6.3x11	16	6.3x11	15
2.2	5x11	21					6.3x11	30	6.3x11	25	8x11.5	31	8x11.5	20
3.3	5x11	30			6.3x11	36	6.3x11	30	8x11.5	30	8x11.5	34	10x12.5	33
4.7	5x11	35	6.3x11	43	6.3x11	40	8x11.5	45	8x11.5	45	10x12.5	42	10x12.5	35
10	5x11	60	8x11.5	77	8x11.5	57	10x12.5	90	10x16	95	10x16	64	10x20	37
22	6.3x11	98	10x12.5	92	10x16	105	10x16	105	13x20	175	13x20	140	13x25	100
33	8x11.5	140	10x16	125	10x20	140	10x20	140	13x25	220	16x25	170	16x25	125
47	8x11.5	185	10x20	150	10x20	195	13x20	190	16x25	240	16x25	200	16x31.5	155
56	10x12.5	200	13x20	200	13x20	220	13x20	200	16x25	260	16x25	240	18x25	160
68	10x12.5	230	13x20	220	13x20	240	13x25	240	16x25	290	16x31.5	280	18x25	170
82	10x16	260	13x20	240	13x25	260	13x30	290	16x31.5	340	16x31.5	295	18x31.5	185
100	10x16	290	13x25	295	13x25	320	16x25	310	18x31.5	370	18x31.5	310	18x35.5	200
120	10x20	370	13x25	320	16x25	330	16x25	360	18x31.5	420				
150	10x20	400	16x25	370	16x25	400	16x31.5	440	18x35.5	480				
180	13x20	480	16x25	390	16x25	490	16x31.5	470						
220	13x20	560	16x31.5	410	16x31.5	580	18x35.5	485						
330	13x25	690	18x31.5	570	18x35.5	675								
470	16x25	880	18x40	855										
680	16x31.5	900												
1000	18x35.5	985												

Note1: Case size ΦD x L(mm), ripple current (mA, rms) at 105°C, 120Hz. 尺寸 ΦD x L(mm), 纹波电流於 105°C, 120Hz

Note2: Produce custom product too, which are not found in these tables. 客户定制品不在标准品一览表内

Note: All design and specifications are for reference only and is subject to change without prior notice. If any doubt about safety for your application, Please contact us immediately for technical assistance before purchase.

注: 以上所提供的的设计及特性参数仅供参考, 任何修改不作预先通知, 如有使用上任何疑问, 请在采购前与我们联系, 以便提供技术上的协助.