

**BERYL®**

# 规格书

## SPECIFICATION SHEET

铝电解电容器(Aluminum Electrolytic Capacitors)

No:20190427

客户

深圳市金鹏科技有限公司

CUSTOMER

商标

BRAND: BERYL

日期

DATE: 2019-4-27

描述

DESCRIPTION:

150μF/50V Φ8\*16L

系列

SERIES: RG

形状: 导针型

TYPE: RADIAL

供应商 VENDOR			客户 CUSTOMER		
Approver 批准	Auditor 审核	Designer 制作	Approver 批准	Auditor 审核	Tester 测试者
李琳	黄汝梅	廖玉娟			

承认后, 请签回一份, 在下正式订单前如未签回承认书, 视同默认本公司的相关标准及技术指标。

After approved, please sign back 1 Approval Sheet before order. If not, we will treat it as tacitly acknowledged and accepted our relative standard and technical index.



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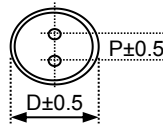
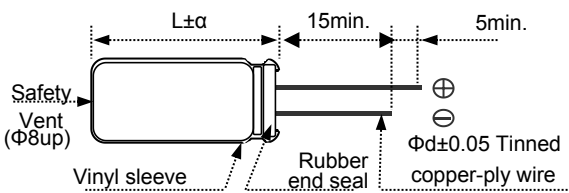
**RG Series**

- Very low impedance and long life
- Endurance with ripple current:4000 to 10000 hours at 105°C
- RoHS Compliant

◆ 规格表 Specifications

项目 Items	特性参数 Characteristics	
使用温度范围 Category Temperture Range	-55 ~ +105°C	
额定工作电压范围 Rated Voltage Range	50V	
静电容量允许偏差 Capacitance Tolerance	±20%(M) (at 20°C, 120Hz)	
漏电流 Leakage Current	I ≤ 0.01CV or 3μA, which is greater application of rated Voltage after 2 minutes. 施加额定工作电压2分钟后读数,二者取大值 Note: I=Max.leakage current (uA), C=Nominal capacitance(uF), V=Rated voltage(V) (at 20°C)	
损耗角正切值tanδ Dissipation Factor	Rated voltage(V)	50
	tanδ (Max.)	0.10
	标称容量超过1000uF,则每增加1000uF,损耗角正切值增加0.02 (at 20°C, 120Hz) When nominal capacitance exceeds 1000μF, add 0.02 to the value above for each 1000μF increase.	
低温特性 Low Temperature Characteristics (Max.Impedance Ratio)	电容器在120Hz下的阻抗比值, 不应超过下表所列出的值	
	Rated voltage(V)	50
	Z(-25°C)/Z(+20°C)	2
	Z(-55°C)/Z(+20°C)	3
耐久性 Endurance	105°C施加额定工作电压和最大允许纹波电流经下表规定时间, 恢复到20°C后, 产品性能应满足以下要求 The following specifications shall be satisfied when the capacitors are restored at 20°C after subjected to DC voltage with the max ripple current is applied for the specified period of time at 105°C.	
	Time 50V	Φ8: 7000hrs
	Capacitance change	≤ ±25% of the initial value
	D.F.(tanδ)	≤ 200% of the specified value
	Leakage current	≤ The specified value
高温储存特性 Shelf Life	105°C放置1000小时, 恢复到20°C后, 产品性能应满足以下要求 The following specifications shall be satisfied when the capacitors are restored at 20°C after exposing them for 1000 hours at 105°C without voltage applied.	
	Capacitance change	≤ ±25% of the initial value
	D.F.(tanδ)	≤ 200% of the specified value
	Leakage current	≤ The specified value

◆ 外形图 Dimensions (mm)



ΦD	8
P	3.5
Φd	0.5

α	(L < 20) 1.5
	(L ≥ 20) 2.0

◆ 纹波电流频率修正系数 Rated Ripple Current Coefficient

Frequency(Hz)	120	1k	10k	100k
Capacitance(uF)				
150	0.40	0.75	0.90	1.00

基本特性参数表

Item	Series	Capacitance (uF)	Rated Voltage (V)	Case diameter (mm)	Case height (mm)	Capacitance Tolerance	Dissipation factor	Leakage current 2min (uA)	Ripple current.105°C /100KHz (mArms)	ESR 100KHz 20°C(Ω)	客户料号
1	RG	150	50	8	16	±20%	0.10	75.0	830.0	0.250	-

SHEET

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