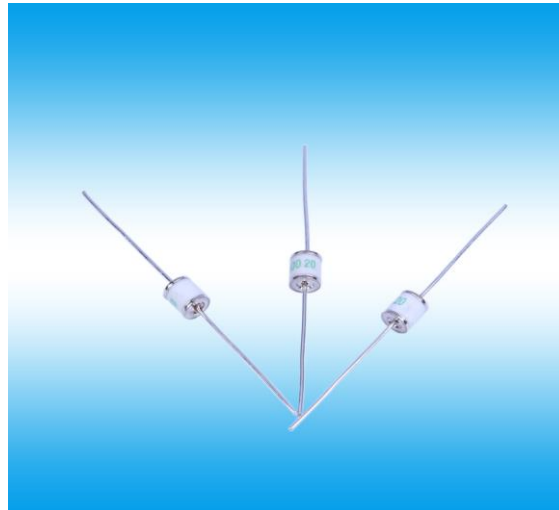


Type KW6A2R Series /Gas Discharge Tube氣體放電管



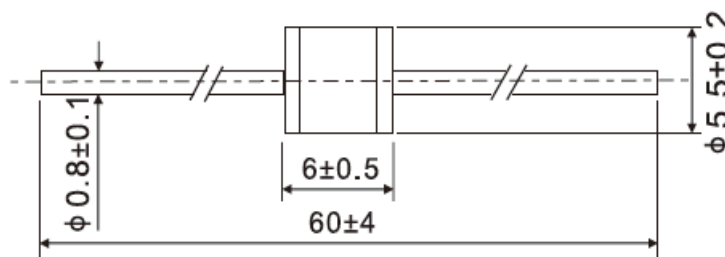
Features 产品特征

- Low insertion loss
低插入损耗
- Excellent response to fast rising transients
对快速上升瞬态极好的响应
- 5KA surge capability testde with 8/20 μ s pulse as defined by IEC 61000-4-5
根据IEC 61000-4-5的定义，测试8/20 μ s脉冲的5KA冲击能力
- RoHS compliant
通过无铅认证
- Ultra low capacitance
超低电容

Applications 产品应用

- Communication equipment
通信设备
- Test equipment
测试设备
- Broadband equipment
宽带设备
- Power supplies
电源供应器
- CATV equipment
有线电视设备
- Data lines
数据传输线
- ADSL equipment,including ADSL2+
ADSL设备,包括ADSL2 +
- Telecom SLIC protection
电信SLIC保护

Dimensions(Unit:mm)尺寸（单位：mm）



Agency Approvals 认证

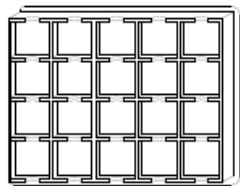
| Icon | Description |
|------|---------------------------------------------|
| RoHS | Compliance with 2011/65/EU |
| HF | Compliance with IEC61249-2-21:2003 |
| | Mean Lead free |
| | Compliance with UL497B,Certificated E324754 |

Type KW6A2R Series

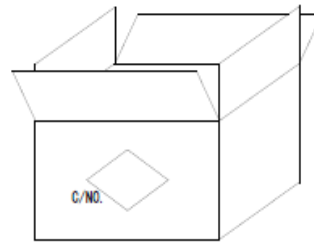
Electrical Specifications 电气特性

| Catalog Number | DC Spark-Over Voltage 100V/s Vs(V) | Impulse Spark-Over 1KV/μs Vis(V)Max | Nom Impulse Discharge Current 10×700μs(KV) | Nom Impulse Discharge Current 8×20μs(KA) | Insulation Resistance | | Capacitance C 1MHz < 6V pF Max |
|----------------|------------------------------------|-------------------------------------|--------------------------------------------|------------------------------------------|-----------------------|------|--------------------------------|
| | | | | | Min. MΩ | DC V | |
| KW6A2R75 | 75V±30% | 700 | 5.0 | 5.0 | 1000 | 50 | 1 |
| KW6A2R90 | 90V±30% | 700 | 5.0 | 5.0 | 1000 | 50 | 1 |
| KW6A2R150 | 150V±30% | 700 | 5.0 | 5.0 | 1000 | 50 | 1 |
| KW6A2R230 | 230V±20% | 600 | 5.0 | 5.0 | 1000 | 100 | 1 |
| KW6A2R350 | 350V±20% | 800 | 5.0 | 5.0 | 1000 | 100 | 1 |
| KW6A2R470 | 470V±20% | 900 | 5.0 | 5.0 | 1000 | 250 | 1 |
| KW6A2R600 | 600V±20% | 1200 | 5.0 | 5.0 | 1000 | 250 | 1 |
| KW6A2R1000 | 1000V±20% | 1800 | 5.0 | 5.0 | 1000 | 250 | 1 |

Packaging and Type Designation 包装和型号名称



100PCS/PVC



5000PCS/BOX

Formation of Type Designation 类型命名的形成

Example:

KW - 6 - A - 2R-90- * - * - *

① ② ③ ④ ⑤ ⑥ ⑦ ⑧

Symbols 符号表

| | |
|-------------------------|----------------------------------------------------------------------------|
| ① Company code | KW=Kingwahoo product |
| ② Rated diameter | 3=3mm diameter 4=4mm diameter 5=5mm diameter 6=6mm diameter ... |
| ③ Load Configuration | A=Axial loads M=Radial loads 1 E=Radial Loads 2 S=SMD structure B=No loads |
| ④ Electrode amount | 2R=2electrode device 3R=3 electrode device |
| ⑤ DC Spark-over Voltage | 75=75V 90=90V... |
| ⑥ Surge rating | L=0.5KA T=1KA U=1.5KA N=2KA S=2.5KA R=5KA M=10KA H=20KA W: > 20KA |
| ⑦ Fail safe(FS) | F=With Fail Safe O=Without Fail Safe |
| ⑧ Package | B=Bulk Packing R=Reel Taping S=SMD Taping O=No Require |

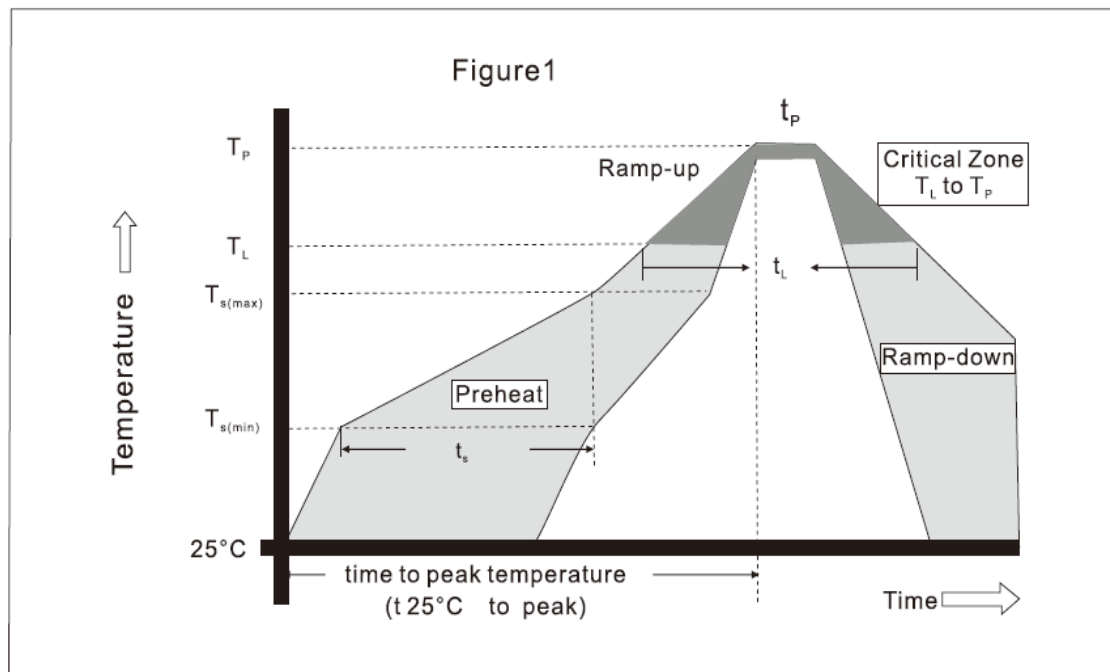
Packaging

On Taping: KW6A2R series-100pcs PVC, 500PCS in box, 5000pcs Outer box.

Type KW6A2R Series

Soldering Parameters 焊接参数

| Reflow Condition 回流条件 | | Pb-Free assembly 无铅制程 |
|----------------------------------------------------|---------------------------------|-------------------------|
| Heat Pre | Temperature Min(T_s) | 150°C |
| | Temperature Max(T_s) | 200°C |
| | Time(Min to Max)(t_s) | 60-180secs |
| Average ramp up rate(Liquidus)Temp(T_L)to peak | | 3°C/second max |
| T_s (max)to T_L -Ramp-up Rate | | 5°C/second max |
| Reflow | -Temperature(T_L)(Liquidus) | 217°C |
| | Time(Min to Max)(t_L) | 60-150 seconds |
| Peak Temperature(T_p) | | 260 ^{-0/-5} °C |
| Time within 5°C of actual peak Temperture(t_p) | | 8-20 seconds |
| Ramp-down Rate | | 6°C/second max |
| Time 25°C to peak Temperature(T_p) | | 8 minutes max. |
| Do not exceed | | 260°C |



Temperature Range 温度范围

- Operating temp range:-55°C to +125°C
- Storage temp range:-40°C to +85°C