

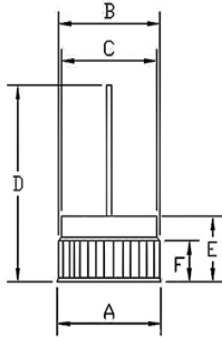
特性/机械性能:
FEATURES/MECHANICAL DATA

- ◆ 正向压降低. Low forward voltage drop
- ◆ 低漏电. Low leakage current
- ◆ 高浪涌承受能力. High surge current capability
- ◆ 35A 工作在表面温度是125℃,无热损耗的情况下.
35Ampere Operation At TL=125℃ With No Thermal Runaway
- ◆ 封装:铜材质. Case: Copper
- ◆ 端子:镀金端子,焊接按照MIL-STD-202,方法208.
Terminals: Plated terminals, solderable per, MIL-STD-202, method 208.
- ◆ 极性: 灌注红色环氧树脂(端子为正/P型)
灌注黑色环氧树脂(端子为负/N型)
Polarity : By RED Color Epoxy Potting. (Positive)
By BLACK Color Epoxy Potting. (Negative)
- ◆ 重量: 6.8 克. Weight: 6.8grams


极限值和电参数:
MAXIMUM RATINGS AND CHARACTERISTICS

TA= 25℃除非另有规定。单相,正半弦波,60HZ,阻抗或电感负载。为电容装载,减少电流的20%。
 Rating at 25℃ ambient temperature unless otherwise specified. Single phase, half wave, 60HZ, resistive or inductive load. For capacitive load, derate current by 20%

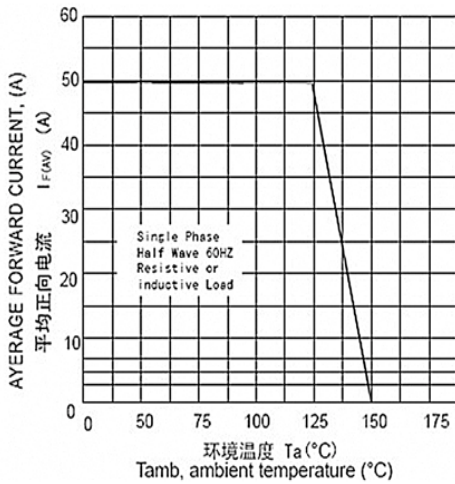
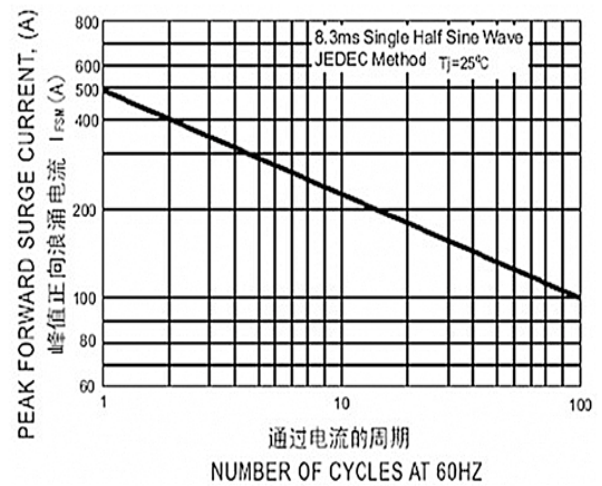
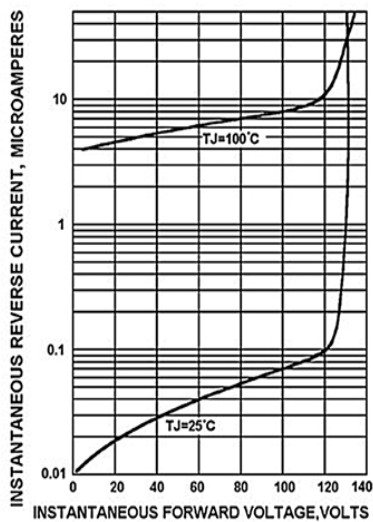
型号TYPE	符号 SYMBOL	DR5000	DR5001	DR5002	DR5004	DR5006	DR5008	DR5010	单位 UNITS
最大峰值反向电压 Maximum Current Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
最大反向有效值电压 Working Peak Reverse Voltage	VRMS	35	70	140	280	420	560	700	V
最大直流截止电压 Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
最大正向平均整流电流Ta=125℃, Maximum Average Forward Rectified Current	IF (AV)	50							A
峰值正向浪涌电流 Peak Forward Surge Current 8.3ms Single Sine-wave on Rated Load (JEDEC Method)	IFSM	500							A
最大瞬间正向电压@100A Maximum Instantaneous Forward Voltage Drop at 100A DC	VF	1.03							V
最大反向直流电流 Maximum DC Reverse Current Ta = 25℃ at Rated DC Blocking Voltage Ta =100℃	IR	1.0							μ A
典型结电容 Typical Junction Capacitance (NOTE 1)	CJ	200							μ A
工作及储存温度范围 Operating AND Storage Temperature Range	TJ,TSTG	140							pF
		-55~+150							℃

产品外形尺寸:
Product appearance size


$A = \varnothing 13.0 \pm 0.2 \text{mm}$
 $C = \varnothing 11.4 \pm 0.2 \text{mm}$
 $E = 7.90 \pm 0.2 \text{mm}$

$B = \varnothing 12.76 \pm 0.02 \text{mm}$
 $D = 25.0 \text{mm}$
 $F = 4.15 \pm 0.20 \text{mm}$

Dimension in millimeters.

特性曲线图:
RATINGS AND CHARACTERISTIC CURVES
FIG. 1 –最大正向平均电流降额
FIG. 1 –MAXIMUM AVERAGE FORWARD CURRENT DERATING

FIG. 2 –最大非重复正向浪涌电流
FIG. 2 –MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

FIG. 3 –反向特性曲线(典型)
FIG. 3 –TYPICAL REVERSE CHARACTERISTICS.

FIG. 4 –正向特性曲线(典型)
FIG. 4 –TYPICAL FORWARD CHARACTERISTICS
