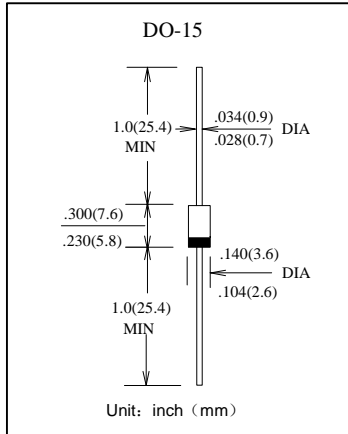


## 塑封快恢复整流二极管

反向电压 50 ---1000 V  
正向电流 2.0 A

## Plastic Fast Recover Rectifiers

Reverse Voltage 50 to 1000V  
Forward Current 2.0A



### 特征 Features

- 低的反向漏电流 Low reverse leakage
- 较强的正向浪涌承受能力 High forward surge capability
- 高温焊接保证 High temperature soldering guaranteed:  
250°C/10 秒, 0.375" (9.5mm) 引线长度。  
250°C/10 seconds, 0.375" (9.5mm) lead length,
- 引线可承受5 磅 (2.3kg) 拉力。 5 lbs. (2.3kg) tension

### 机械数据 Mechanical Data

- 端子: 镀锡轴向引线 Terminals: Plated axial leads
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 安装位置: 任意 Mounting Position: Any

极限值和温度特性 TA = 25°C 除非另有规定。

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

	符号 Symbols	RGP 20A	RGP 20B	RGP 20D	RGP 20G	RGP 20J	RGP 20K	RGP 20M	单位 Unit
最大可重复峰值反向电压 Maximum repetitive peak reverse voltage	$V_{RRM}$	50	100	200	400	600	800	1000	V
最大均方根电压 Maximum RMS voltage	$V_{RMS}$	35	70	140	280	420	560	700	V
最大直流阻断电压 Maximum DC blocking voltage	$V_{DC}$	50	100	200	400	600	800	1000	V
最大正向平均整流电流 Maximum average forward rectified current	$I_{F(AV)}$	2.0							A
峰值正向浪涌电流 8.3ms 单一正弦半波 Peak forward surge current 8.3 ms single half sine-wave	$I_{FSM}$	70							A
典型热阻 Typical thermal resistance	$R_{\theta JA}$	45							°C/W
工作结温和存储温度 Operating junction and storage temperature range	$T_j, T_{STG}$	-50 --- +150							°C

电特性 TA = 25°C 除非另有规定。

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

	符号 Symbols	RGP 20A	RGP 20B	RGP 20D	RGP 20G	RGP 20J	RGP 20K	RGP 20M	单位 Unit
最大正向电压 Maximum forward voltage $I_F = 2.0A$	$V_F$	1.3							V
最大反向电流 Maximum reverse current TA= 25°C TA=100°C	$I_R$	5.0 200							μA
最大反向恢复时间 MAX. Reverse Recovery Time $I_F=0.5A I_R=1.0A I_{RR}=0.25A$	trr	150				250		300	nS
典型结电容 Type junction capacitance $V_R = 4.0V, f = 1MHz$	$C_j$	35							pF

特性曲线 Characteristic Curves

