

1 Amp. Glass Passivated Fast Recovery Rectifier

Dimensions in mm. DO-41-MINI (Plastic) 3 ± 0.1 58.5 ± 0.5

Voltage Current 50 to 1000 V. 1.0 A. at 25 °C.

HYPERECTIFIER

Mounting instructions

- 1. Min. distance from body to soldering point, 4 mm.
- 2. Max. solder temperature, 350 °C.
- 3. Max. soldering time, 3.5 sec.
- 4. Do not bend lead at a point closer than 2 mm. to the body.

• Glass passivated junction

- High current capability
- The plastic material carries U/L recognition 94 V-0
- Terminals: Axial Leads
- Polarity: Color band denotes cathode

Maximum Ratings, according to IEC publication No. 134

		RGP 08A	RGP 08B	RGP 08D	RGP 08G	RGP 08J	RGP 08K	RGP 08M	RGP 08MT	
Marking Code			K2	КЗ	K4	K5	K6	K7	K8	
V _{RRM}	Peak recurrent reverse voltage (V)		100	200	400	600	800	1000	1000	
I _{F(AV)}	Forward current at Tamb = 25 °C		1 A							
I_{FRM}	Recurrent peak forward current	ık forward current 10 A) A	i					
I_{FSM}	8.3 ms. peak forward surge current		30 A							
t _{rr}	$\begin{array}{ll} \text{Max. reverse recovery} & \begin{array}{ll} I_{\scriptscriptstyle F} &= 0.5 \text{ A} \\ I_{\scriptscriptstyle R} &= 1 \text{ A} \\ I_{\scriptscriptstyle RR} &= 0.25 \text{ A} \end{array}$		150 ns 250 ns 5		500	0 ns	300 ns			
$T_{\rm j}$	Operating temperature range		− 65 to + 150 °C							
$T_{ m stg}$	Storage temperature range		− 65 to + 150 °C							
E _{RSM}	Maximum non repetitive peak reverse avalanche energy. $I_R = 0.5 A ; T_J = 25 ^{\circ} C$		15 mJ							

Electrical Characteristics at Tamb = 25 °C

$V_{\scriptscriptstyle F}$	Max. forward voltage drop at $I_F = 1.0 \text{ A}$		1.3 V
I_R	Max. reverse current at $V_{\mbox{\tiny RRM}}$	at 25 °C at 150 °C	5 μ A 200 μ A
$R_{ ext{thj-a}} \ R_{ ext{thj-a}}$	MAXIMUM THERMAL RESIST Junction-Ambient. With Heats Junction-Ambient. In P.C.B.		45 °C/W 100 °C/W



Rating And Characteristic Curves







