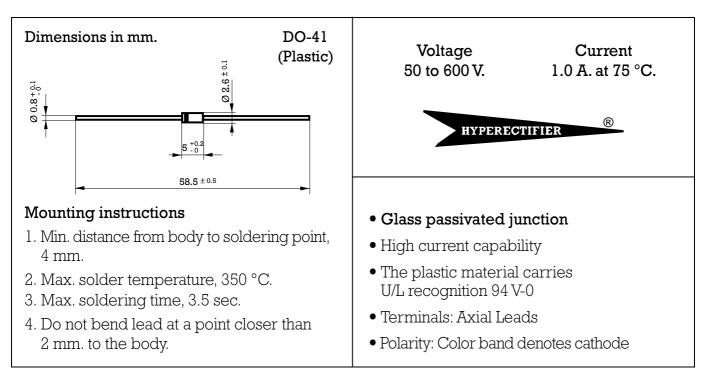


1 Amp. Glass Passivated Fast Recovery Rectifier

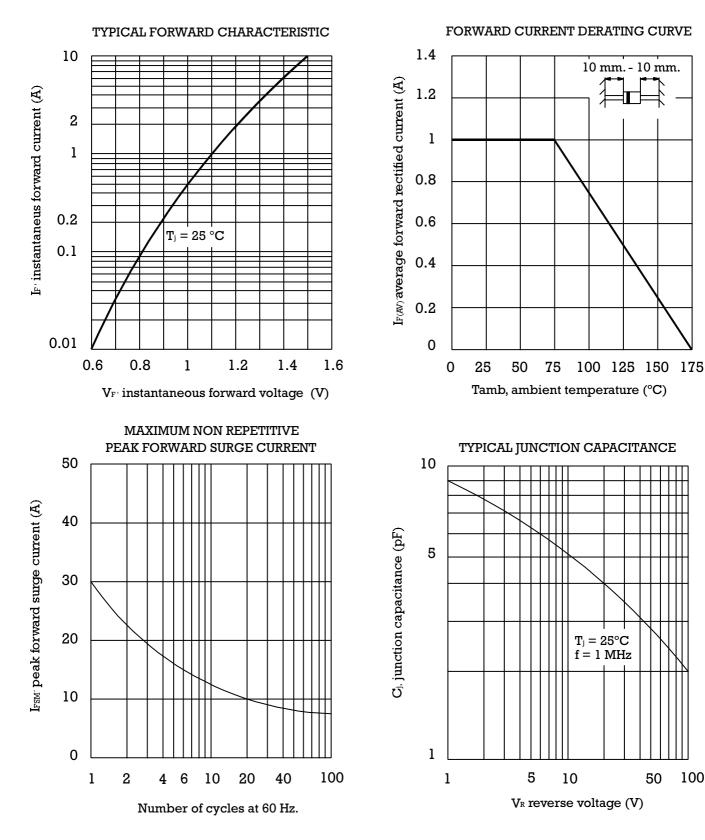


Maximum Ratings, according to IEC publication No. 134

		1N4933GP	1N4934GP	1N4935GP	1N4936GP	1N4937GP
V _{RRM}	Peak recurrent reverse voltage (V)	50	100	200	400	600
I _{F(AV)}	Forward current at Tamb = 75 °C	1.0 A				
I _{FRM}	Recurrent peak forward current	10 A				
I_{FSM}	8,3 ms. peak forward surge current (Jedec Method)	30 A				
t _{rr}	$\begin{array}{l} \text{Max. reverse recovery} \\ \text{time from} \end{array} \qquad \begin{array}{l} I_{\text{F}} = 0.5 \text{ A} \\ I_{\text{R}} = 1 \text{ A} \\ I_{\text{RR}} = 0.25 \text{ A} \end{array}$	150 ns				
T_{j}	Operating temperature range	– 65 to + 175 °C				
T _{stg}	Storage temperature range	– 65 to + 175 °C				
E _{RSM}	Maximum non repetitive peak reverse avalanche energy. I_R = 0.5 A ; T_J = 25 °C	20 mJ				

Electrical Characteristics at Tamb = 25 °C

V _F	Max. forward voltage drop at $I_F = 1$ A	1.2V		
I _R	Max. reverse current at V_{RRM} at 25 °C at 125 °C	5 µ A 100 µ A		
R _{thj-a}	Thermal resistance (I = 10 mm.) Max. Typ.	60 °C/W 45 °C/W		



Rating And Characteristic Curves