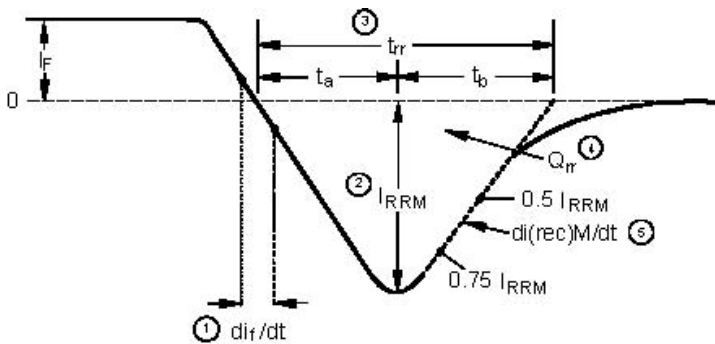
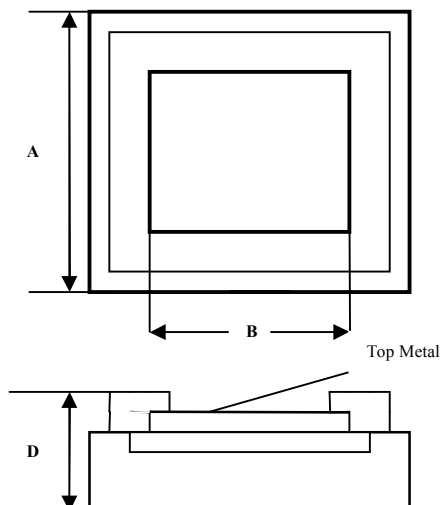
			
8A/600V. Die Size-90*90mil.				
Electrical Characteristics	Symbol	Unit	Spec. limit	Die Sort
Breakdown Voltage @ $I_R=0,10\text{mA}$	V_B	V	600	620
Average Rectified Forward Current	$I_{F(AV)}$	A	8,0	-
DC Forward Voltage @ $25^\circ\text{C}, I_F=8,0\text{A}$	V_F	V	1,50	1,45
Maximum Reverse Current @ $25^\circ\text{C}, V_R=600\text{V}$ @ $125^\circ\text{C}, V_R=600\text{V}$	I_R	MA	0,010 0,500	0,009 0,450
Reverse Recovery Time, $I_F=1\text{A}, V_R=30\text{V}, dI_F/dt=100\text{A}/\mu\text{S}.$	t_{rr}	nS	50	45
Operating Junction Temperature	T_J	$^\circ\text{C}$	175	



- di/dt - Rate of change of current through zero crossing
- I_{RRM} - Peak reverse recovery current
- t_{rr} - Reverse recovery time measured from zero crossing point of negative going I_F to point where a line passing through $0.75 I_{RRM}$ and $0.50 I_{RRM}$ extrapolated to zero current
- Q_{rr} - Area under curve defined by t_r and I_{RRM}
- $di_{(rec)}/dt$ - Peak rate of change of current during t_b portion of t_r

$$Q_{rr} = \frac{t_{rr} \times I_{RRM}}{2}$$

DIM	ITEM	μm
A_x	Die Size	2290
A_y		2290
B_x	Top Metal Size	1640
B_y		1640
D	Thickness	350max.
Scribe line Width		60



Top metal: Al – for Wire Bonding.

Backside metal: Ti-Ni-Ag – for Soldering.

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