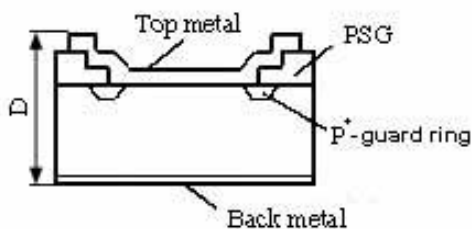
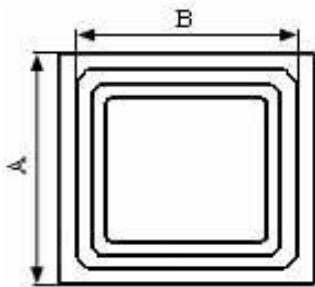




5A/45V. Die Size-69mil.

Electrical Characteristics	Symbol	Unit	Spec. limit	Die Sort
Breakdown Voltage @ $I_R=10\text{mA}$	V_{BR}	V	45	48
Average Rectified Forward Current	$I_{F(AV)}$	A	5,0	-
DC Forward Voltage @ 25°C , $I_F=5,0\text{A}$	V_F	V	0,54	0,52
Maximum Reverse Current @ 25°C , $V_R=48\text{V}$ @ 25°C , $V_R=45\text{V}$ @ 125°C , $V_R=45\text{V}$	I_R	mA	- 0,060 40,0	0,060 0,050 35,0
Peak Forward Surge Current 8,3ms single half sine-wave superimposed on rated load (JEDEC METHOD)	I_{FSM}	A	125	-
Peak Repetitive Reverse Surge Current @ $2,0\mu\text{s}$, $f=1\text{kHz}$., $T_J<150^\circ\text{C}$.	I_{RRM}	A	3,0	
Electrostatic Discharge Voltage. JEDEC Method. ESD HBM. Contact.	ESD	kV	± 8 (contact)	
Voltage Rate of Change	dV/dt	$\text{V}/\mu\text{S}$	10.000	
Operating Junction Temperature	T_J	$^\circ\text{C}$	150	



DIM	ITEM	μm
A_x	Wafer Form Die Size	1750
A_y		1750
B_x	Top Metal Size	1610
B_y		1610
D	Thickness	300max.
Scribe line Width		80

Top metal:

- a) **Al** – for Wire Bonding;
- b) **Al-Ni-Ag** – for Soldering.

Backside metal: **Ti-Ni-Ag**.