

## Chip Specification

### General Description:

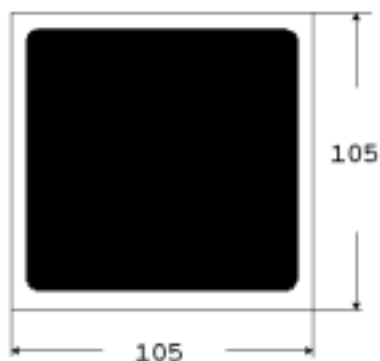
Schottky Diode chips with Mo-barrier for switch mode power rectifiers with the following features:

- \* **Guard-ring for stress protection**
- \* **Extremely low forward voltage**
- \* **125 °C operation junction temperature**
- \* **reverse avalanche behavior**

### Mechanical Data:

MBR1545 passivated Silicon Chip

Dimension(mil):	105X105 mil
Thickness:	350 +- 20 $\mu$ m
Metallization:	
Top ( Anode ) :	AlAg
Bottom ( Cathode ) :	TiNiAg



Forward Current (A):	15A
Reverse Voltage (V):	>45V

Type	Chip	VF(V)@25 C	VF(V)@125 C	I <sub>RM</sub> @V <sub>RMM</sub>
	size(mil)	at If =15A	at If =15A	at 25 C
MBR1545	105X105	690mV	600mV	0,6mA

\* expected value for recommended assembling with both side soldering  
Typical device :MBR1545

Note: Other voltages & Top Metal AL are available

