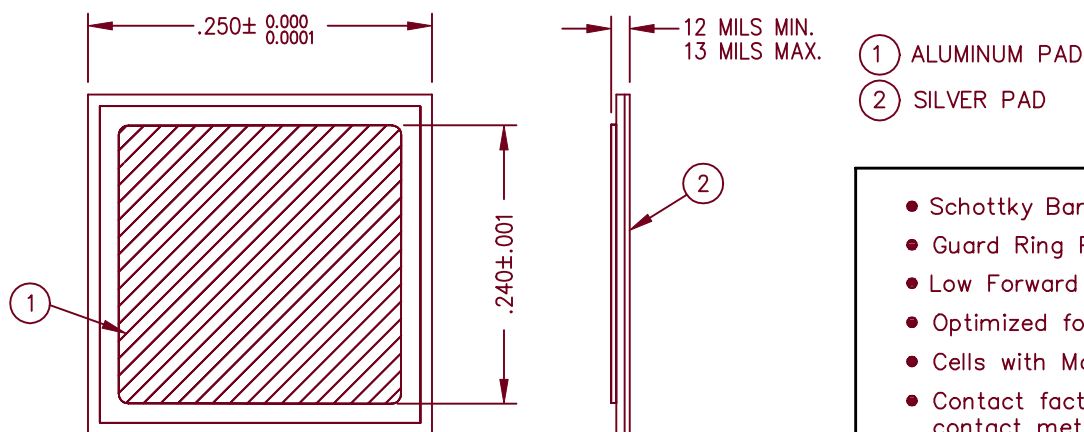


Schottky Rectifier FET Protection Die CH250S0080



- Schottky Barrier Rectifier
- Guard Ring Protected
- Low Forward Voltage
- Optimized for 42V Bus Operation
- Cells with Moly discs available
- Contact factory for Non-Standard contact metal

Electrical Characteristics (Properly Packaged)

Max peak forward voltage
Max peak reverse current
Max peak reverse current

V_{FM} .91 Volts
 I_{RM} 100 μ A
 I_{RM} 45 mA

$I_{FM} = 100A$; $T_J = 25^\circ C^*$
80V, $T_J = 25^\circ C$
80V, $T_J = 125^\circ C$

*Pulse test: Pulse width 300 μ sec. Duty cycle 2%

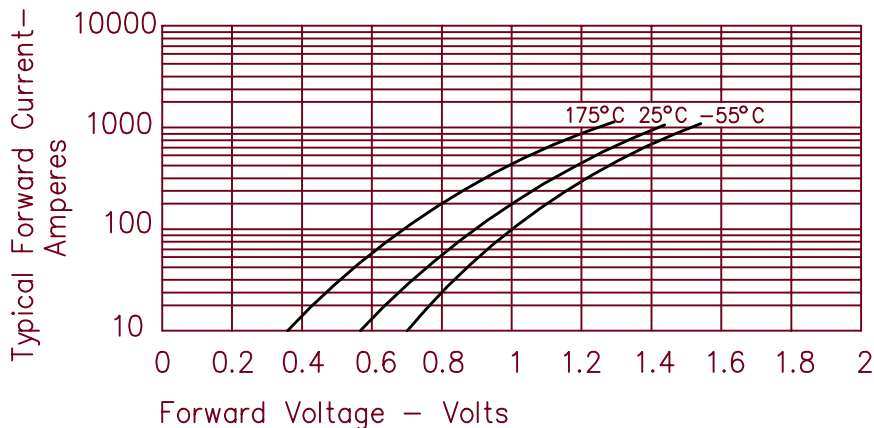
Thermal and Mechanical Characteristics

Max. Allowable Storage Temperature
Typical thermal resistance
Surge current at max T_J

$-55^\circ C$ to $175^\circ C$
0.7 $^\circ C$ /Watt
1500A @ 8.3ms half sine

NOTE: Thermal resistance ($ROJC$), forward voltage drop, and surge current ($ITSM$) ratings are heavily dependent on die to heat sink assembly methods

Typical Forward Characteristics



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