



Schottky Diodes

Features

- High frequency operation
- Low forward voltage drop
- High purity, high temperature epoxy encapsulation for enhanced mechanical strength and moisture resistance
- Guard ring for enhanced ruggedness and long term reliability
- Solder dip 275 °C max. 7s, per JESD 22-B106

Typical Applications

Typical applications are in switching power supplies, converters, freewheeling diodes, and reverse battery protection.

Mechanical Data

- **Package:** R-6
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Polarity:** Color band denotes cathode end

■ **Maximum Ratings** ($T_a=25$ Unless otherwise specified)

	IO	A	15
Surge(Non-repetitive)Forward Current @60HZ sine wave, 1 cycle, $T_a=25$	IFSM	A	275
Current Squared Time @ $1ms \leq t < 8.3ms$ $T_j=25$	I^2t		



15SQ045

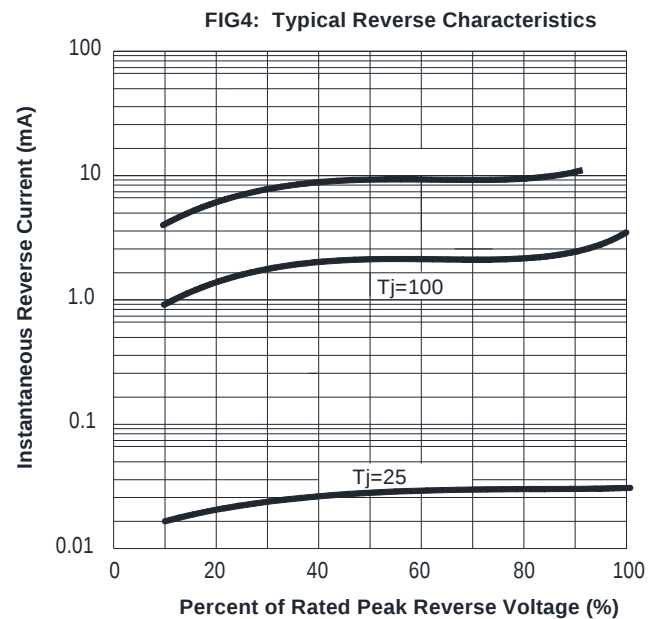
■ Thermal Characteristics $T_a=25$ Unless otherwise specified

PARAMETER		SYMBOL	UNIT	15SQ045
Thermal Resistance	Between junction and case	$R_{\theta J-C}$	$^{\circ}W$	2.5

■ Ordering Information (Example)

PREFERRED P/N	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
15SQ045	Approximate 1.88	500	10	5000	Tape
15SQ045	Approximate 1.88	1000	4	4000	Reel

■ Characteristics (Typical)





■Outline Dimensions

R-6		
Dim	Min	Max
A	25.4	/
B	1.2	1.3
C	8.6	9.1 B



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