TECHNICAL DATA DATASHEET 6105, REV A

SILICON SCHOTTKY RECTIFIER DIE High Voltage/Low Leakage

Applications:

• Switching Power Supply • Converters • Free-Wheeling Diodes • Polarity Protection Diode

Features:

- High voltage (150V)
- Low reverse leakage Current
- 175°C Maximum Junction Temperature

Maximum Ratings:

Characteristics	Symbol	Condition	Max.	Units
Peak Inverse Voltage	V _{RWM}	-	150	V
Max. Average Forward	I _{F(AV)}	50% duty cycle, rectangular	45	Α
Current		wave form		
Max. Junction Temperature	TJ	-	-65 to +175	°C
Max. Storage Temperature	T _{stg}	-	-65 to +175	°C

Electrical Characteristics(1):

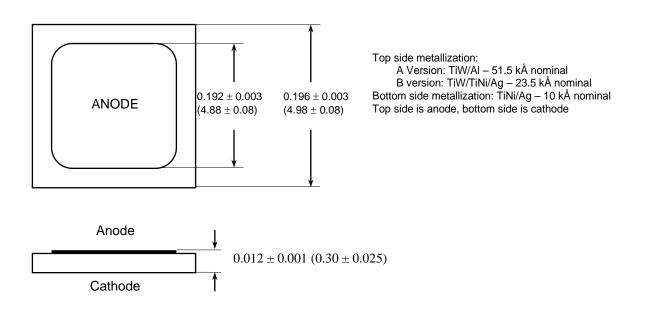
ALL RATINGS ARE @ T_A = 25 °C UNLESS OTHERWISE SPECIFIED.

Characteristics	Symbol	Condition	Max.	Units
Max. Forward Voltage Drop	V _{F1}	@ 45 A, Pulse, T _J = 25 °C	0.82	V
	V _{F2}	@ 45 A, Pulse, T _J = 125 °C	0.70	V
Max. Reverse Current	I _{R1}	@V _R = 150V, Pulse,	400	uA
		T _J = 25 °C		
	I _{R2}	@V _R = 150V, Pulse,	10	mA
		T _J = 125 °C		
Max. Junction Capacitance	Ст	@V _R = 5V, T _C = 25 °C	1200	pF
		$f_{SIG} = 1MHz,$		
		$V_{SIG} = 50 \text{mV (p-p)}$		

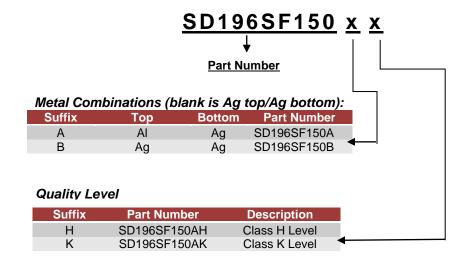
⁽¹⁾ Forward voltage drop will vary depending on package used. Specification is based on a Kelvin configuration

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PACKAGE DIMENSIONS (inches/mm):



PART ORDERING INFORMATION:



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