

TECHNICAL DATA PART NUMBER SCP-6222, REV.-

14.5KW Unidirectional Hermetic TVS

DESCRIPTION: 40V 250A Pulse capable Transient Voltage Suppressor Diode in a Hermetic stack.

FEATURES:

- Low Package Inductance
- Hermetically sealed package

MAX. RATINGS / ELECTRICAL CHARACTERISTICS All ratings are at $T_A = 25^{\circ}$ C unless otherwise specified.

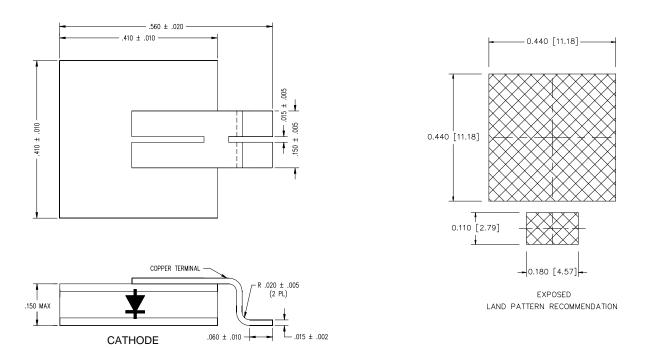
RATING	CONDITIONS		TYP	MAX	UNIT
Breakdown Voltage	Test Current $I_T = 1mA$	40.0	43.0	-	V
Reverse Stand-off Voltage (V _{RWM})	Leakage Current $I_L = 5 \mu A$	36.0	-	-	V
Maximum Reverse Current (I _{R1}) @ V _{RWM}	$T_A = 25^\circ C$	-	0.3	5	μA
	T _A = 125° C	-	-	300	
Maximum Clamp Voltage V _{C (max)}	$I_{PP} = 250A, t_r = 10 \ \mu s, t_P = 1ms$	-	55	58	V
Maximum Clamp Voltage V _{C (max)}	$I_{PP} = 200A, t_r = 6 \ \mu s, t_P = 70 \ \mu s$	-	48	51	V
Maximum Peak Pulse Current (I _P)	t _r = 10 μs, t _P = 1ms	-	-	250	А
Maximum Peak Power	$t_r = 10 \ \mu s, t_P = 1 m s$	14500	-	-	W
Thermal Resistance	Junction to Case	-	0.2	-	°C/W
Peak Power Derating		-	96.6	-	W/∘C
Operating and Storage Temp. (T _{op} & T _{stg})		-55	-	+175	°C

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<u>SENSITRON</u> SEMICONDUCTOR

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MECHANICAL DIMENSIONS In Inches



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