

TECHNICAL DATA PART NUMBER SCP-6223, REV.-

5KW Bi-directional Hermetic TVS

DESCRIPTION: 45V 45A Pulse capable Transient Voltage Suppressor Diode in a Hermetic DO-5 metal package.

	MAX. RATINGS / ELECTRICAL CHARACTERISTICS	All ratings are at $T_A = 25^{\circ}C$ unless otherwise specified.
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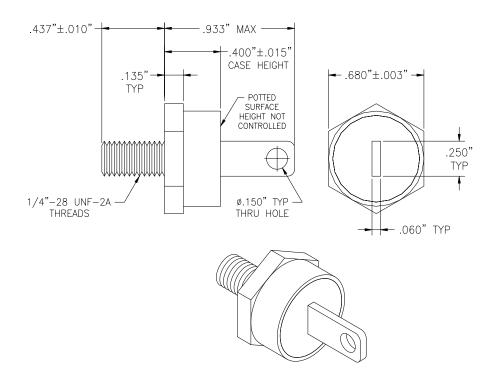
RATING	CONDITIONS	MIN	TYP	MAX	UNIT
Breakdown Voltage	Test Current I _T = 5mA	50.0	-	61.1	V
Reverse Stand-off Voltage (V _{RWM})	Leakage Current $I_L = 10 \ \mu A$	45.0	-	-	V
Maximum Reverse Current (I _{R1}) @ V _{RWM}	$T_A = 25^\circ C$	-	-	10	μA
	T _A = 125° C			500	
Maximum Clamp Voltage	@ I _{PP} , t _P = 1ms	-	-	80.3	V
Maximum Peak Pulse Current (I _P)	t _P = 1ms	-	-	45	A
Maximum Temperature Coefficient of V _(BR)		-	-	57	mV/°C
Maximum Peak Power	t _P = 1ms	5000	-	-	W
Peak Power Derating		-	33.3	-	W/°C
Operating and Storage Temp. $(T_{op} \& T_{stq})$		-55	-	+175	°C

Note: All ratings apply to both directions.

SENSITRON SEMICONDUCTOR

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MECHANICAL DIMENSIONS In Inches



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