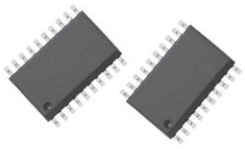
Molded, 50 mil Pitch, Dual In-Line Thin Film Resistor, Surface Mount Network



Actual Size

V.35 termination network used to insure signal integrity between transmitter and receiver sections of V.35 protocol.

FEATURES

- Rugged, molded case construction
- Reduces total assembly costs
- Saves board space
- Compatible with surface mounting equipment
- Uniform performance characteristics
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition

Pb-free

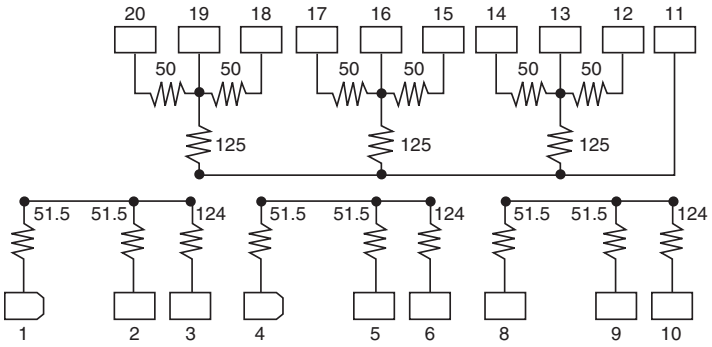
RoHS COMPLIANT

HALOGEN FREE

TYPICAL PERFORMANCE

	ABSOLUTE	TRACKING
TCR	100	10
	ABSOLUTE	RATIO
TOL.	1, 2	0.5

SCHEMATIC

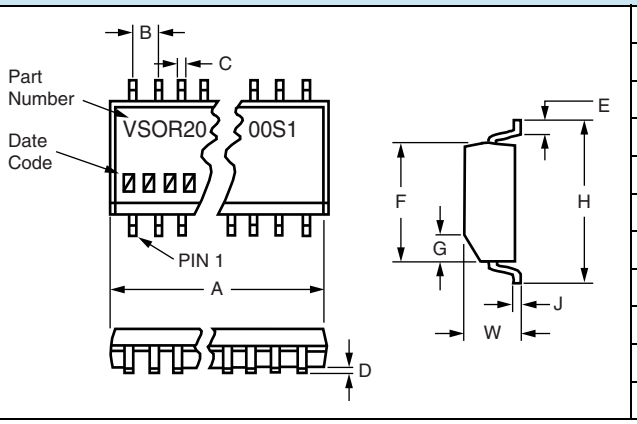


Notes

- Pad 7 does not exist
- PIN 7 is an open circuit

STANDARD ELECTRICAL SPECIFICATIONS		
TEST	**SPECIFICATIONS**	**CONDITIONS**
Material	Tantalum nitride	-
Pin/Lead Number	20	-
Resistance Range	50 Ω to 125 Ω	-
TCR: Absolute	± 100 ppm/°C	- 55 °C to + 125 °C
TCR: Tracking	± 10 ppm/°C	- 55 °C to + 125 °C
Tolerance: Absolute	± 1 %, ± 2 %	± 1 %: 51.5 Ω and 124 Ω ± 2 %: 50.0 Ω and 125 Ω
Tolerance: Ratio	0.5 %	-
Power Rating: Resistor	-	-
Power Rating: Package	1.6 W	- 55 °C to + 125 °C
Stability: Absolute	-	-
Stability: Ratio	-	-
Voltage Coefficient	-	-
Working Voltage	-	-
Operating Temperature Range	- 55 °C to + 125 °C	-
Storage Temperature Range	- 55 °C to + 150 °C	-
Noise	-	-
Thermal EMF	-	-
Shelf Life Stability: Absolute	-	-
Shelf Life Stability: Ratio	-	-

DIMENSIONS AND IMPRINTING in inches and millimeters

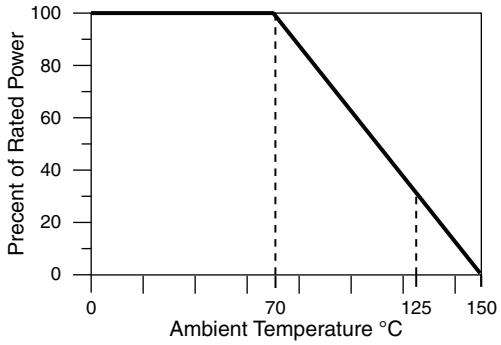


DIMENSION	INCHES	MILLIMETERS
A	0.500 ± 0.010	12.7 ± 0.25
B (Ref.)	0.050	1.27
C (Ref.)	0.016	0.41
D	0.008	0.20
E (Typ.)	0.030	0.75
F	0.293 ± 0.003	7.44 ± 0.08
G	0.025 x 45°	0.64 x 45°
H	0.406 ± 0.005	10.31 ± 0.13
J (Ref.)	0.010	0.25
W	0.100 ± 0.005	1.54 ± 0.13

MECHANICAL SPECIFICATIONS

Resistive Material	Tantalum nitride
Substrate Material	Silicon
Body	Molded epoxy
Terminals	Copper alloy
Plating	Tin lead solder
Lead coplanarity	0.0005"
Marking Resistance to Solvents	Permanency testing per MIL-STD-202, method 215
Lead (Pb)-free	100 % matte tin Plated

DERATING CURVE



GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: VSOR2000S1T1

V	S	O	R	2	0	0	0	S	1	T	F

GLOBAL MODEL: **VSOR2000S1**

PACKAGING: TAPE AND REEL
TF = Full reel 2500
UF = TUBED

Historical Part Number example: VSOR2000S1T/R (for reference purposes only)

VSOR 2000S1	**T/R**
MODEL# VALUE	PACKAGING

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