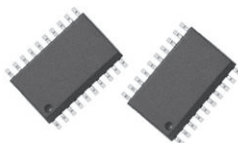


Molded, 50 mil Pitch, Dual In-Line Thin Film Resistor, Surface Mount Network



Actual Size

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



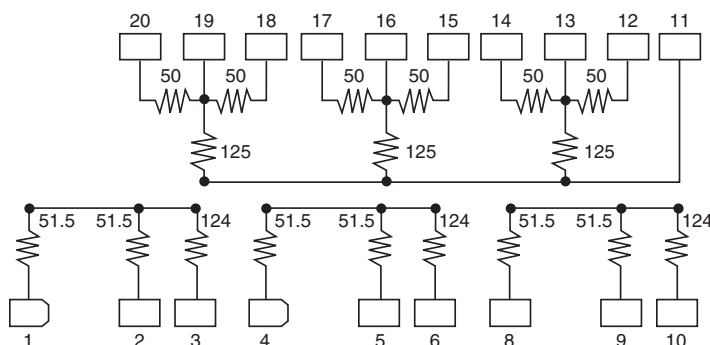
RoHS
COMPLIANT
HALOGEN
FREE

TYPICAL PERFORMANCE

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

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

SCHEMATIC



Notes

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

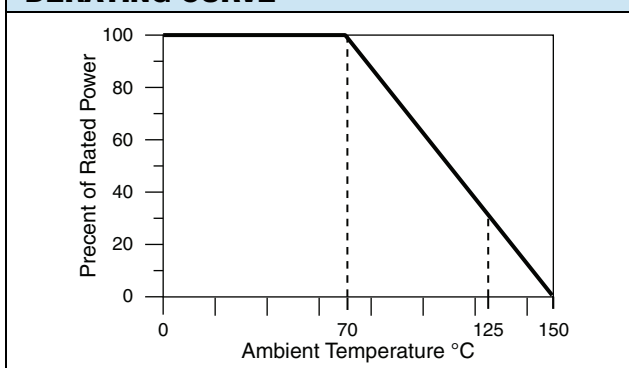
STANDARD ELECTRICAL SPECIFICATIONS

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	-	-

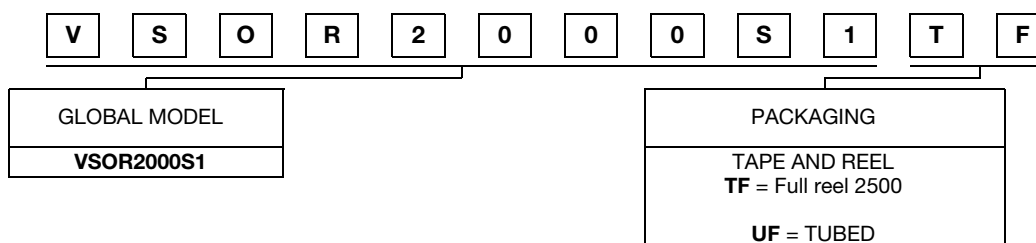
DIMENSIONS AND IMPRINTING in inches and millimeters

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



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





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