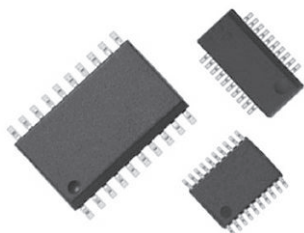




25 mil Pitch Thin Film Surface Mount Resistor/Capacitor Network



Actual Size

IEEE 1284 parallel port termination network

FEATURES

- Rugged, molded case construction
JEDEC MO-137AD
- Reduces total assembly costs
- Saves board space
- Compatible with automatic surface mounting equipment
- Uniform performance characteristics
- Resistors and capacitors on a single chip
- UL 94 V-0 flame resistant
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition

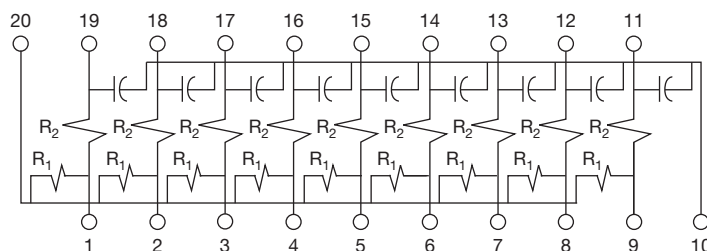


RoHS
COMPLIANT
HALOGEN
FREE

TYPICAL PERFORMANCE

	TCR	TOLERANCE
RESISTOR	200	10
	TCC	TOLERANCE
CAPACITOR	200	20

SCHEMATIC



STANDARD ELECTRICAL SPECIFICATIONS

TEST	SPECIFICATIONS	CONDITIONS
Material	Tantalum nitride	-
Pin/Lead Number	20	-
Resistance Range	10 Ω to 10 k Ω	-
TCR: Absolute	± 200 ppm/ $^{\circ}$ C	-
TCR: Tracking	-	-
Tolerance: Absolute	± 10 % (R_1 and R_2), ± 20 % (C)	At 1 MHz and V_{RMS} over $+10$ $^{\circ}$ C to $+70$ $^{\circ}$ C
Power Rating: Resistor	100 mW	-
Power Rating: Package	1 W	-
Stability: Ratio	-	-
Operating Temperature Range	-	-
Storage Temperature Range	-	-
Capacitance Range	27 pF to 220 pF	Based on number of resistors
ESD Protection	> 2 kV	MIL-STD-883, method 3015
Breakdown Voltage	25 V	-

DIMENSIONS in inches and millimeters

DIMENSION	MODEL VSSRC1284	
	INCHES	
	MINIMUM	MAXIMUM
A	0.344 max.	8.74 max.
B (ref.)	0.025	0.64
C (ref.)	0.010	0.25
D	0.006	0.15
E (typ.)	0.025	0.64
F	0.154 ± 0.003	3.85 ± 0.08
G	0.015 x 45°	0.38 x 45°
H	0.236 ± 0.008	5.9 ± 0.20
J (ref.)	0.010	0.25
W	0.064 ± 0.005	1.64 ± 0.13

Note

- Mold flash not included in body dimensions

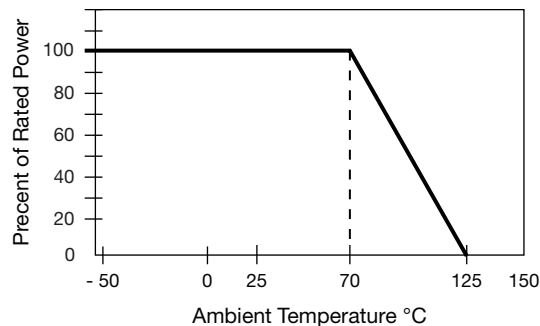
IMPRINTING
VSSRC1284-X

Date code

-X = Molded version number from table below

MECHANICAL SPECIFICATIONS

Resistive Element	Tantalum nitride
Substrate Material	Silicon
Body	Molded epoxy
Terminals	Copper alloy
Plating	100 % matte Sn
Lead Coplanarity	0.0005"
Marking Resistance to Solvents	Permanency testing per MIL-STD-202, method 215

DERATING CURVE

STANDARD VALUES

AVAILABLE MODELS	R ₁ ± 10 % (Ω)	R ₂ ± 10 % (Ω)	C ± 20 % (pF)
VSSRC1284-1	2.2K	33	220
VSSRC1284-2	4.7K	33	180
VSSRC1284-3	1K	33	180
VSSRC1284-4	4.7K	10	180
VSSRC1284-5	4.7K	27	33
VSSRC1284-6	4.7K	270	33
VSSRC1284-7	10K	10	27



GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: VSSRC1284-1TF

V S S R C 1 2 8 4 - 1 T F

GLOBAL MODEL
VSSRC1284

VALUE
-1
-2
-3
-4
-5
-6
-7

PACKAGING
UF = TUBED
TAPE AND REEL
TF = Full reels

Historical Part Number example: VSSRC1284-1T/R (for reference purposes only)

VSSRC1284
MODEL

-1
VALUE

T/R
PACKAGING



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