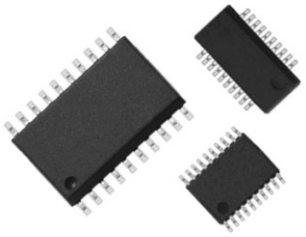
25 Mil Pitch Resistor/Capacitor Networks



Actual Size

IEEE 1284 Parallel Port Termination Network

FEATURES

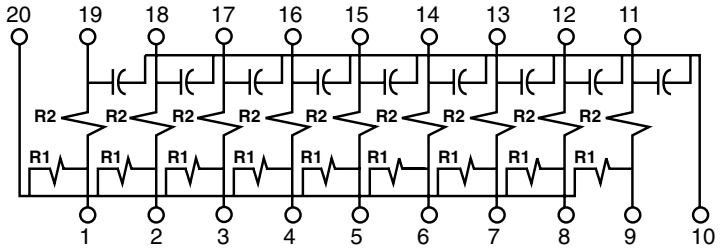
- Lead (Pb)-free standard
- Rugged, molded case construction JEDEC mo-137AD
- Reduces total assembly costs
- Saves board space
- Compatible with automatic surface mounting equipment
- Uniform performance characteristics
- Resistors and capacitors on a single chip
- UL 94V-0 flame resistant

RoHS COMPLIANT

TYPICAL PERFORMANCE

	TCR	TOLERANCE
RESISTOR	200	10 %
	TCC	TOLERANCE
CAPACITOR	200	20 %

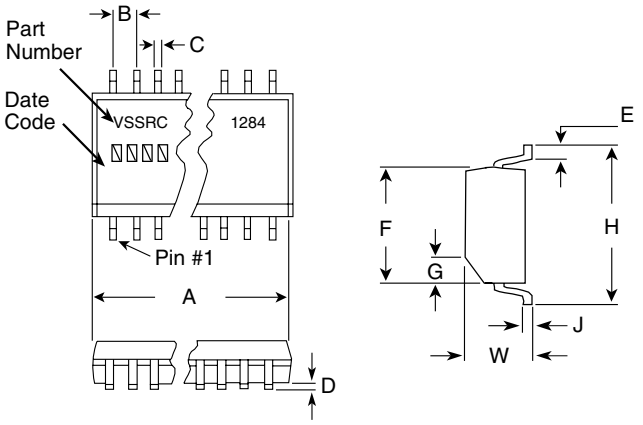
SCHEMATIC



RC NETWORKS

STANDARD ELECTRICAL SPECIFICATIONS			
TEST		SPECIFICATIONS	CONDITIONS
Resistance Range		10 Ω to 10 kΩ	
Tolerance:	Absolute	± 10 % (R_1 or R_2)	
	Absolute	± 20 % (C)	at 1 MHz and V_{RMS} over + 10 °C to + 70 °C
Power Rating:	Per Resistor	100 mW	
	Package	1 W	
Capacitance Range		27 pF to 220 pF	Based on number of resistors
Breakdown Voltage		25 V	
ESD Protection		> 2 kV	MIL-STD-883, Method 3015

DIMENSIONS AND IMPRINTING in inches and millimeters



DIMENSION	MODEL VSSRC1284	
	INCHES	MILLIMETERS
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 × 45°	0.38 × 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

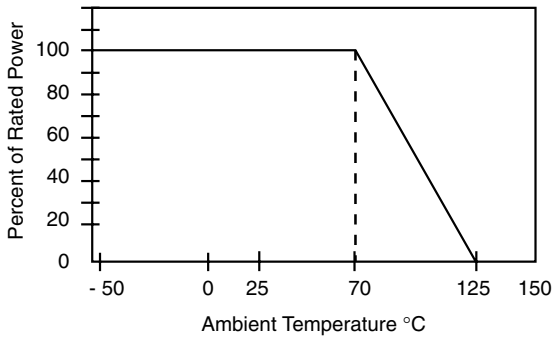
Date code

-X = Molded version number from table below

MECHANICAL SPECIFICATIONS

Resistive Element	Tantalum Nitride
Substrate Material	Silicon
Body	Molded Epoxy
Terminals	Copper Alloy
Plating	100 % Sn Matte
Lead Coplanarity	0.0005 Inches
Marking Resistance to Solvents	Permanency testing per MIL-STD-202, Method 215

DERATING CURVE



MODEL	R_1 ± 10 %	R_2 ± 10 %	C ± 20 %
VSSRC1284-1	2.2 kΩ	33 Ω	220 pF
VSSRC1284-2	4.7 kΩ	33 Ω	180 pF
VSSRC1284-3	1 kΩ	33 Ω	180 pF
VSSRC1284-4	4.7 kΩ	10 Ω	180 pF
VSSRC1284-5	4.7 kΩ	27 Ω	33 pF
VSSRC1284-6	4.7 kΩ	270 Ω	33 pF
VSSRC1284-7	10 kΩ	10 Ω	27 pF

GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: VSSRC1284-1TF (preferred part number format)

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

GLOBAL MODEL	VALUE	PACKAGING
VSSRC1284 (Lead (Pb)-free) (e3)	**-1** **-2** **-3** **-4** **-5** **-6** **-7**	**UF** = TUBED TAPE AND REEL **TF** = Full Reels

Historical Part Number example: VSSRC1284-1T/R (will continue to be accepted)

VSSRC1284	-1	T/R
MODEL	VALUE	PACKAGING

RC NETWORKS

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