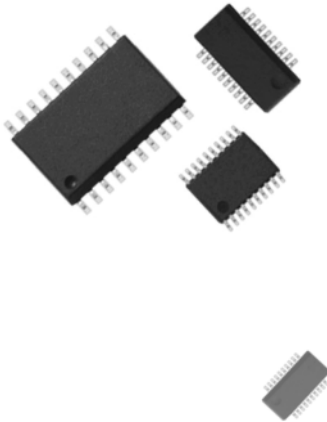


25 Mil Pitch Resistor/Capacitor Networks



Actual Size

IEEE 1284 Parallel Port Termination Network

FEATURES

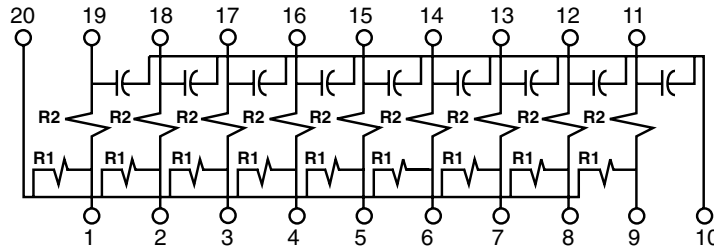
- Lead (Pb)-free available
- Rugged, molded case construction
JEDEC mo-137AD
- Reduces total assembly costs
- Saves board space
- Compatible with automatic surface mounting equipment
- Uniform performance characteristics
- Resistors and capacitors on a single chip
- UL 94V-0 flame resistant



TYPICAL PERFORMANCE

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

SCHEMATIC

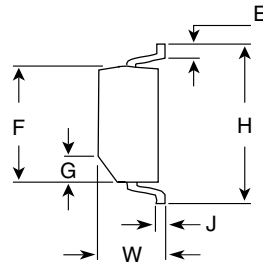
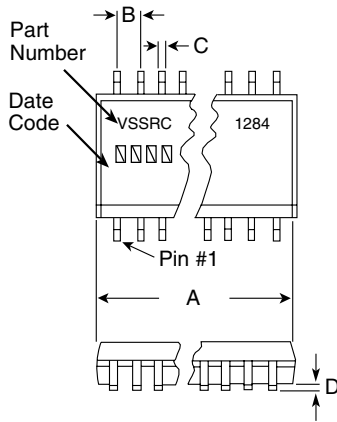


RC NETWORKS

STANDARD ELECTRICAL SPECIFICATIONS			
TEST		SPECIFICATIONS	CONDITION
Resistance Range		10 Ohms to 10K Ohms	
Tolerance:	Absolute	± 10 % (R ₁ or R ₂)	
	Absolute	± 20 % (C)	at 1 MHz & V _{RMS} over + 10 °C to + 70 °C
Power Rating:	Per Resistor	100 mW	
	Package	1 Watt	
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

* Pb containing terminations are not RoHS compliant, exemptions may apply

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

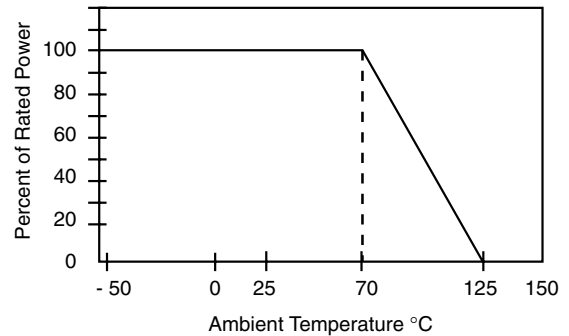
Date code

-X = Molded version number from table below

MECHANICAL SPECIFICATIONS

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

DERATING CURVE

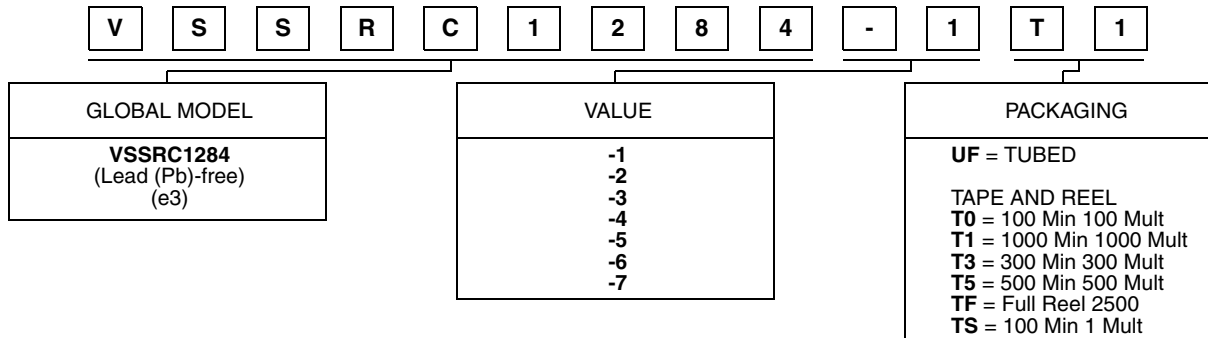


MODEL	R ₁ ± 10 %	R ₂ ± 10 %	C ± 20 %
VSSRC1284-1	2.2 kΩ	33 Ω	220 pF
VSSRC1284-2	4.7 kΩ	33 Ω	180 pF
VSSRC1284-3	1 kΩ	33 Ω	180 pF
VSSRC1284-4	4.7 kΩ	10 Ω	180 pF
VSSRC1284-5	4.7 kΩ	27 Ω	33 pF
VSSRC1284-6	4.7 kΩ	270 Ω	33 pF
VSSRC1284-7	10 kΩ	10 Ω	27 pF

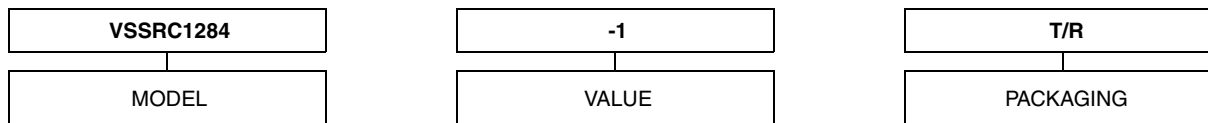


GLOBAL PART NUMBER INFORMATION

New Global Part Numbering: VSSRC1284-1T1 (preferred part number format)



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





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