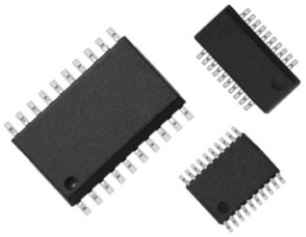
25 Mil Pitch Resistor/Capacitor Networks





Actual Size

IEEE 1284 Parallel Port Termination Network

FEATURES

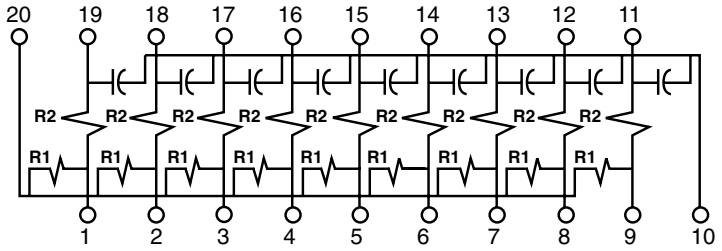
- Lead (Pb)-free standard
- Rugged, molded case construction JEDEC mo-137AD
- Reduces total assembly costs
- Saves board space
- Compatible with automatic surface mounting equipment
- Uniform performance characteristics
- Resistors and capacitors on a single chip
- UL 94V-0 flame resistant

RoHS COMPLIANT

TYPICAL PERFORMANCE

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

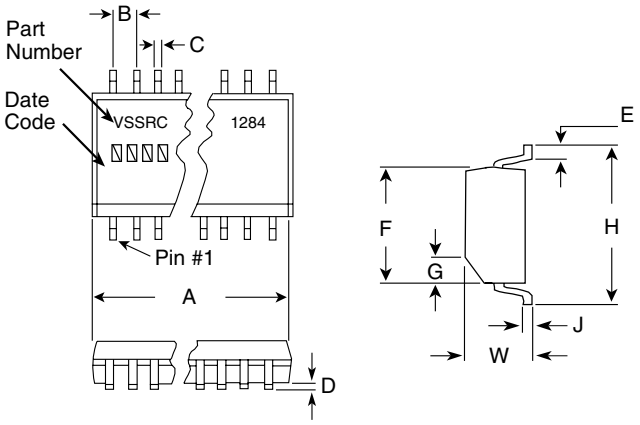
SCHEMATIC



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

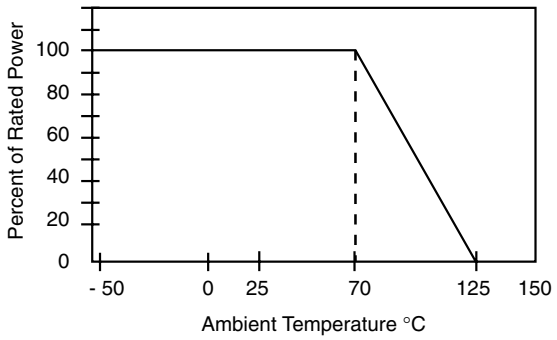
Date code

-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

Disclaimer

All product specifications and data are subject to change without notice.

Vishay Intertechnology, Inc., its affiliates, agents, and employees, and all persons acting on its or their behalf (collectively, “Vishay”), disclaim any and all liability for any errors, inaccuracies or incompleteness contained herein or in any other disclosure relating to any product.

Vishay disclaims any and all liability arising out of the use or application of any product described herein or of any information provided herein to the maximum extent permitted by law. The product specifications do not expand or otherwise modify Vishay’s terms and conditions of purchase, including but not limited to the warranty expressed therein, which apply to these products.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted by this document or by any conduct of Vishay.

The products shown herein are not designed for use in medical, life-saving, or life-sustaining applications unless otherwise expressly indicated. Customers using or selling Vishay products not expressly indicated for use in such applications do so entirely at their own risk and agree to fully indemnify Vishay for any damages arising or resulting from such use or sale. Please contact authorized Vishay personnel to obtain written terms and conditions regarding products designed for such applications.

Product names and markings noted herein may be trademarks of their respective owners.