

www.vishay.com

Thick Film Capacitor Networks, Single-In-Line, Conformal Coated SIP



FEATURES

- · Isolated and bussed schematics available
- X7R and C0G capacitors available
- Multiple isolated capacitors
- Multiple capacitors, common ground
- Custom design capability
- "D" 0.300" (7.62 mm) package height (maximum)
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912





BoHS*

HALOGEN FREE

Note

This datasheet provides information about parts that are RoHS-compliant and / or parts that are non RoHS-compliant. For example, parts with lead (Pb) terminations are not RoHS-compliant. Please see the information / tables in this datasheet for details

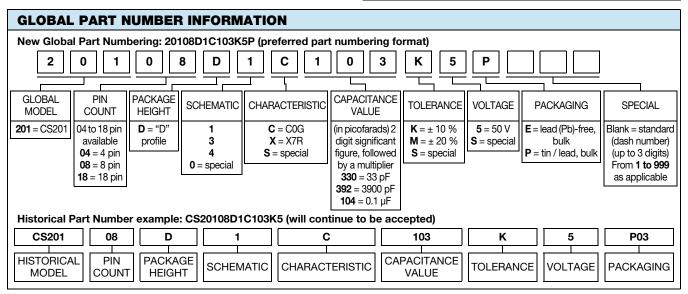
STANDARD ELECTRICAL SPECIFICATIONS								
VISHAY DALE	PROFILE	SCHEMATIC	CAPACITANCE RANGE		CAPACITANCE TOLERANCE	CAPACITANCE VOLTAGE		
MODEL			C0G (1)	X7R	(-55 °C to +125 °C) ± %	at 85 °C V _{DC}		
CS201	D	1	33 pF to 3900 pF	470 pF to 0.1 μF	10, 20	50		
CS201	D	3	33 pF to 3900 pF	470 pF to 0.1 μF	10, 20	50		
CS201	D	4	33 pF to 3900 pF	470 pF to 0.1 μF	10, 20	50		

Note

(1) C0G capacitors may be substituted for X7R capacitors

TECHNICAL SPECIFICATIONS							
PARAMETER	UNIT	CS201					
PARAMETER	UNIT	C0G	X7R				
Temperature coefficient (-55 °C to +125 °C)	ppm/°C or %	± 30 ppm/°C	± 15 %				
Dissipation factor (maximum)	± %	0.15	2.5				

MATERIAL SPECIFICATIONS					
Marking resistance to solvents	Permanency testing per MIL-STD-202, method 215				
Solderability	Per MIL-STD-202, method 208E				
Body	High alumina, epoxy coated (flammability UL 94 V-0)				
Terminals	Phosphorus-bronze, solder plated				
Marking	Pin #1 identifier, Dale or D, part number (abbreviated as space allows), date code				

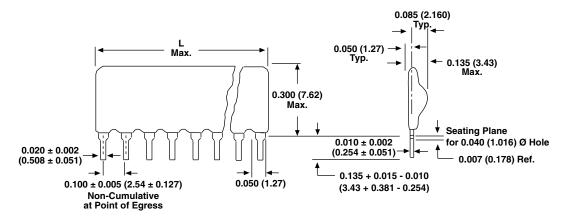


Note

• For additional information on packaging, refer to the Through-hole Network Packaging document (www.vishay.com/doc?31542)

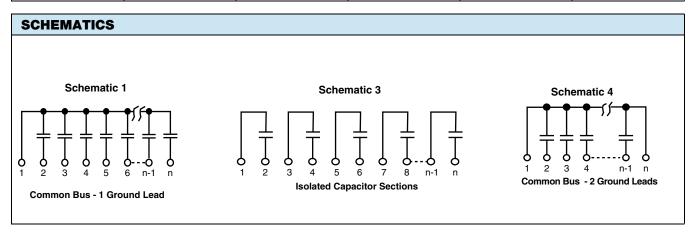


DIMENSIONS in inches (millimeters)



Pin #1 is extreme left-hand terminal on side with marking.

NUMBER OF PINS	L MAXIMUM	NUMBER OF PINS	L MAXIMUM	NUMBER OF PINS	L MAXIMUM
4 pin	0.400 (10.16)	9 pin	0.900 (22.86)	14 pin	1.400 (35.56)
5 pin	0.500 (12.70)	10 pin	1.000 (25.40)	15 pin	1.500 (38.10)
6 pin	0.600 (15.24)	11 pin	1.100 (27.94)	16 pin	1.600 (40.64)
7 pin	0.700 (17.78)	12 pin	1.200 (30.48)	17 pin	1.700 (43.18)
8 pin	0.800 (20.32)	13 pin	1.300 (33.02)	18 pin	1.800 (45.72)





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