



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





RoHS*

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

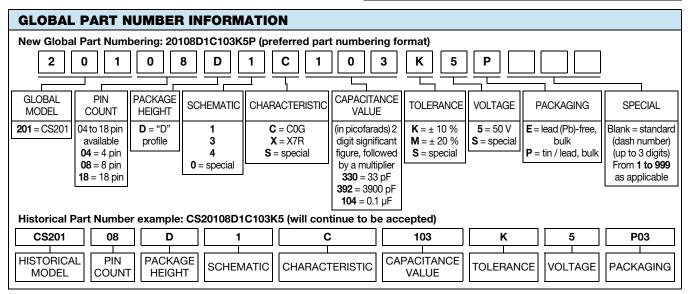
STANDARD ELECTRICAL SPECIFICATIONS								
VISHAY DALE MODEL	PROFILE	SCHEMATIC	CAPACITANCE RANGE		CAPACITANCE TOLERANCE	CAPACITANCE VOLTAGE		
			C0G (1)	X7R	(-55 °C to +125 °C) ± %	at 85 °C V _{DC}		
CS201	D	1	33 pF to 3900 pF	470 pF to 0.1 μF	10, 20	50		
CS201	D	3	33 pF to 3900 pF	470 pF to 0.1 μF	10,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



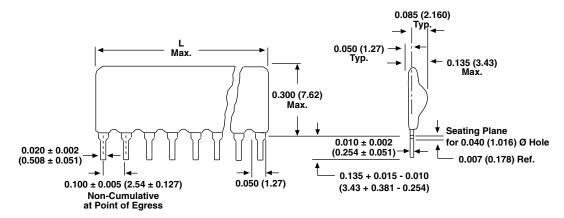
Note

Revision: 24-Jan-2019

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

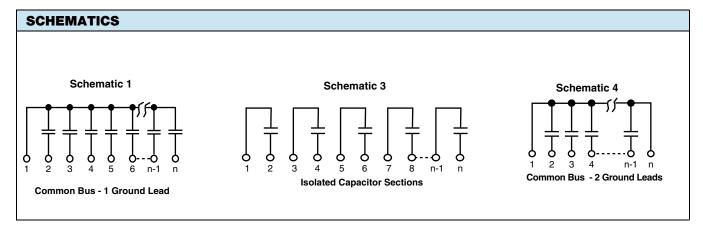


DIMENSIONS in inches (millimeters)



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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20110D4X104K5E 201CK8X7R102K5 20110D4X103K5P 20108D3X103K5P 201CH7X7R103K5 20108D1C221K5P

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CS20110D1X103K5 CS20110D1X223K5 CS20110D4X102K5 CS20110D4X103K5 CS20110D4X104K5

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