



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

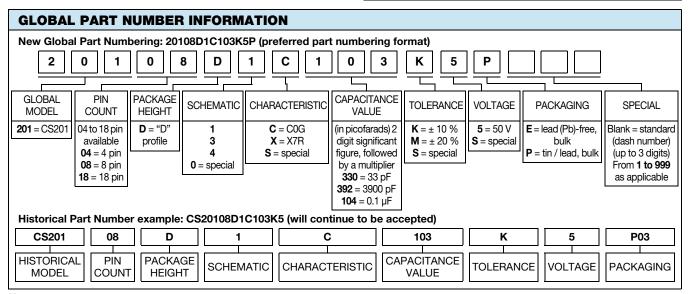
STANDAR	STANDARD ELECTRICAL SPECIFICATIONS					
VISHAY DALE	PROFILE	SCHEMATIC	CAPACITANCE RANGE		CAPACITANCE TOLERANCE	CAPACITANCE VOLTAGE
MODEL			C0G ⁽¹⁾	X7R	(-55 °C to +125 °C) ± %	at 85 °C V _{DC}
CS201	D	1	33 pF to 3900 pF	470 pF to 0.1 μF	10, 20	50
CS201	D	3	33 pF to 3900 pF	470 pF to 0.1 μF	10,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



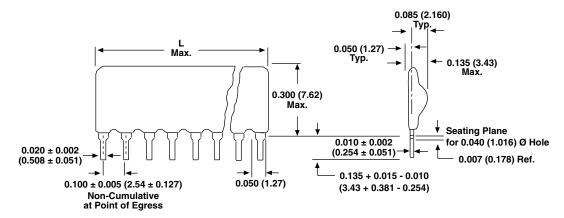
Note

Revision: 24-Jan-2019

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

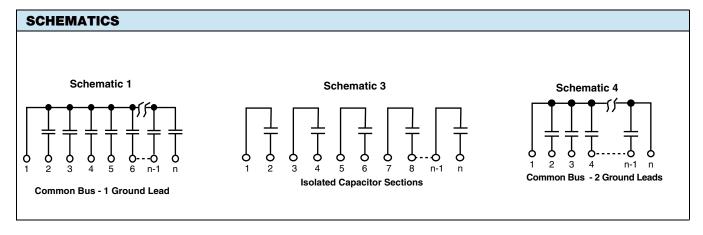


DIMENSIONS in inches (millimeters)



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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20108D1C471K5P	20108D1X103K5P	20108D3X104K5P	20110D4X104K5E	20110D4X103K5P	20108D3X103K5P
20108D1C221K5P	20109D1C102K5P	20110D1X223K5P	20110D1C101K5P	20110D1C221K5P	20106D1X104K5P
20110D4X102K5P	20108D1X104K5P	20110D1X102K5P	20110D4X104K5P	20110D1X103K5P	20110D4C101K5P
20110D1X104K5P	20109D1X223M5P	20108D1X102K5P	20108D3C101K5P	20109D1X104K5P	20105D1X104K5P
20108D1C101K5P	20107D1X103M5E	20110D1X103K5E	20107D1C221K5E		