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### CS201

Vishay Dale

# 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
- RoHS<sup>3</sup> • "D" 0.300" (7.62 mm) package height COMPLIANT HALOGEN (maximum) FREE
- Compliant to RoHS directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition

#### **STANDARD ELECTRICAL SPECIFICATIONS**

VISHAY DALE	PROFILE	SCHEMATIC	CAPACITANCE RANGE		CAPACITANCE TOLERANCE	CAPACITANCE VOLTAGE
MODEL			C0G <sup>(1)</sup>	X7R	(- 55 °C to + 125 °C) ± %	at 85 °C V <sub>DC</sub>
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

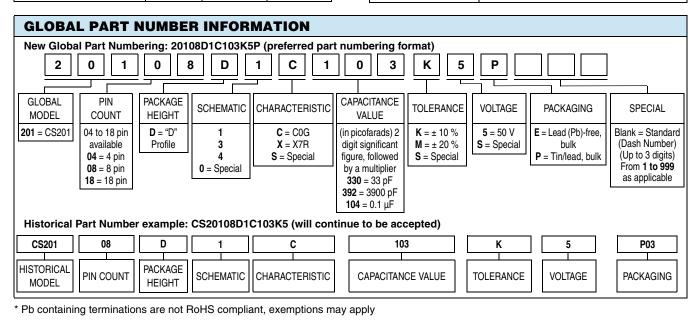
Note

<sup>(1)</sup> C0G capacitors may be substituted for X7R capacitors

TECHNICAL SPECIFICATIONS						
PARAMETER	UNIT	CS201				
PANAMETEN	UNIT	COG	X7R			
Temperature Coefficient (- 55 °C to +125 °C)	ppm/°C or %	± 30 ppm/°C	± 15 %			
Dissipation Factor (Maximum)	± %	0.15	2.5			

MECHANICAL 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					

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For technical questions, contact: ff2aresistors@vishay.com







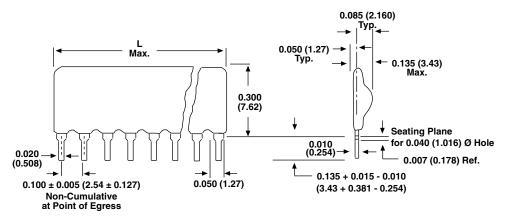


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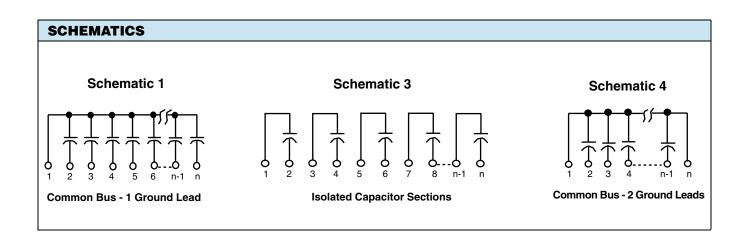
CS201

#### **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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