Vishay Dale

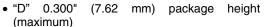


Thick Film Capacitor Networks, Single-In-Line, Conformal Coated SIP



FEATURES

- Isolated and bussed schematics available
- X7R and C0G capacitors available
- · Multiple isolated capacitors
- Multiple capacitors, common ground
- Custom design capability





• Compliant to RoHS directive 2002/95/EC

• Halogen-free according to IEC 61249-2-21 definition

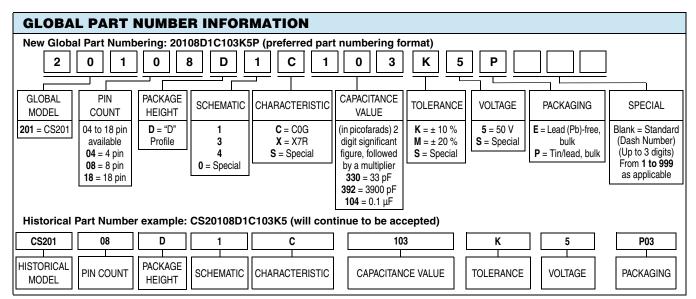
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|------------------------------------|---------|-----------|----------------------|------------------|------------------------------|-----------------------------|--|--|
| STANDARD ELECTRICAL SPECIFICATIONS | | | | | | | | |
| VISHAY DALE | PROFILE | 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 | | | | |
| 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 numbe (abbreviated as space allows), date cod | | | | | |



^{*} Pb containing terminations are not RoHS compliant, exemptions may apply

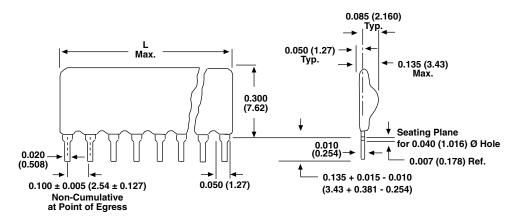
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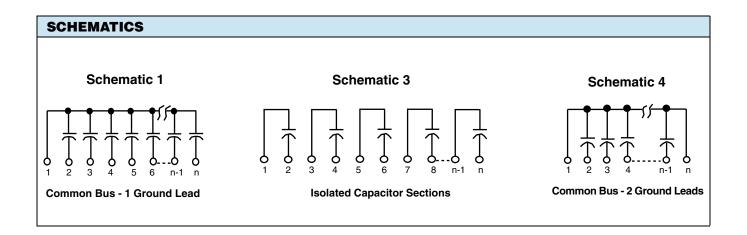
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DIMENSIONS in inches (millimeters)



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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