Vishay Dale



Capacitor Networks, Single-In-Line, Conformal Coated SIP "D" Profile



FEATURES

- X7R and COG capacitors available
- Multiple isolated capacitors
- · Multiple capacitors, common ground
- Custom design capability
- Lead (Pb)-free version is RoHS compliant
- "D" 0.300" [7.62 mm] package height (maximum)





RoHS*

STANDARD ELECTRICAL SPECIFICATIONS									
VISHAY DALE	PROFILE	SCHEMATIC	CAPACITANCE RANGE		CAPACITANCE TOLERANCE	CAPACITOR VOLTAGE			
MODEL			COG*	X7R	(- 55 °C to + 125 °C) %	at 85 °C VDC			
CS201	D	1	33 pF - 3900 pF	470 pF - 0.1 μF	± 10 (K), ± 20 (M)	50 (5)			
CS201	D	3	33 pF - 3900 pF	470 p F - 0.1 μF	± 10 (K), ± 20 (M)	50 (5)			
CC201	Ъ	4	22 pE 2000 pE	470 pF 0.1 uF	10 (K) + 20 (M)	EO (E)			

* COG capacitors may be substituted for X7R capacitors

TECHNICAL SPECIFICATIONS						
PARAMETER	UNIT	CS201				
PARAMETER	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 UL94 V-0)						
Terminals:	Phosphorus-bronze, solder plated						
Marking:	Pin #1 identifier, DALE or D, Part number (abbreviated as space allows), Date code						

GLOBAL	GLOBAL PART NUMBER INFORMATION								
New Global Part Numbering: 20108D1C103K5P (preferred part numbering format)									
2	0 1	0 8	B D [1 C 1	0 3	K 5	P _		
GLOBAL MODEL	PIN COUNT	PACKAGE HEIGHT	SCHEMATIC	CHARACTERISTIC	CAPACITANCE VALUE	TOLERANCE	VOLTAGE	PACKAGING	SPECIAL
201 = CS201	04 = 4 Pin 08 = 8 Pin 18 = 18 Pin	D = "D" Profile	1 3 4 0 = Special	C = COG X = X7R S = Special	(in picofarads) 2 digit significant figure, followed by a multiplier $330 = 33 \text{ pF}$ $392 = 3900 \text{ pF}$ $104 = 0.1 \mu\text{F}$	$K = \pm 10 \%$ $M = \pm 20 \%$ S = Special	5 = 50V S = Special	E = Lead (Pb)-free, Bulk P = Tin/Lead, Bulk	Blank = Standard (Dash Number) (up to 3 digits) From 1-999 as applicable
Historical P	Historical Part Number example: CS20108D1C103K5 (will continue to be accepted)								
CS201 HISTORICAL MODEL	08 I PIN COUNT	D I PACKAGE HEIGHT	1 SCHEMATIC	CHARACTERISTIC	CAPACITANO		K I TOLERANCE	5 VOLTAGE	PO3 PACKAGING

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

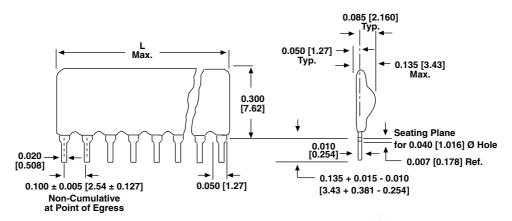




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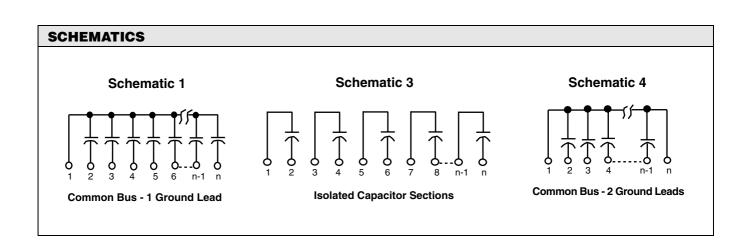
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DIMENSIONS in inches [millimeters]



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]



Legal Disclaimer Notice



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