



* RoHS Compliant
* Discoidal Capacitor Constructio

PART NUMBER	EMI P/N	CAP. (pF)	COLOR DOT(S)	MAX. WVDC	DC AMPS	MINIMUM NO LOAD INSERTION LOSS				
						1 MHz	10 MHz	100 MHz	1 GHz	10 GHz
	XSC000D	0		200	5					
	XSC050D	5 MAX.	NONE	200	5					
	XSC100D	10	VIOLET	200	5				5	20
	XSC250D	25	BLUE	200	5				10	25
	XSC101D	100	GREEN	200	5			3	20	28
	XSC501D	500	BROWN	200	5			15	35	40
	XSC102D	1000	WHITE	200	5		5	20	35	45
	XSC122D	1200	WHITE	200	5		5	20	35	45
	XSC152D	1500	WHITE	200	5		7	23	37	47
	XSC272B	2700	RED	100	5	5	10	25	40	50
	XSC502B	5000	YELLOW	100	5	5	15	30	45	55
	XSC103A	10,000	2 WHITE	50	5	6	21	35	50	60

ELECTRICAL

CAPACITANCE TOLERANCE:
+100/-0% or AS NOTED

DISSIPATION FACTOR: 3.5% MAX.

INSULATION RESISTANCE:
25° C=10,000 Mohm Min.
125° C=1,000 Mohm Min.

DIELECTRIC STRENGTH (DWV):
250% of WVDC (5 seconds)

TEMPERATURE CHARACTERISTIC:
X7R or better

PHYSICAL

DIMENSION TOLERANCE:
CASE LENGTH: +/- .010" (.250mm)
LEAD LENGTH: +/- .030" (.762mm)
LEAD DIAMETER: +/- .002" (.051mm)

MATERIAL AND FINISH:
CASE: C12L14 CRS
LEAD: Alloy 52

FINISH: GOLD per MIL-G-45204
TYPE III, GRADE A, CLASS 1

IDENTIFICATION & LIMITS

MARKING: Color Dot standard per chart

OPERATING TEMP: -55° C to +125° C

INSTALLATION TEMPERATURE: 225° - 250°

VENDOR:
EMI FILTER COMPANY
12750 59th Way N.
Clearwater, FL 33760
(727) 585-7990
(727) 586-5138 FAX
www.emifiltercompany.com

FILTERS, EMI, MINIATURE,
SOLDER-IN STYLE, STANDARD SEAL

FSCM NO.	DWG NO. XSCs REVD	RE [
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