

FSCM series (Rev. 4.0)



Features

- * RoHS compliant
- * Miniature SMD type common mode filter for fully automated assembly
- * Wide impedance range (30 ~ 2200Ω) for noise suppression
- * Excellent solderability

Product Identification

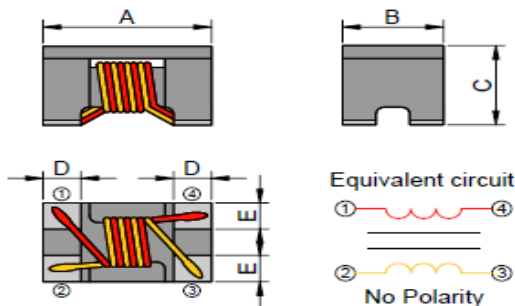
FSCM 2012 - 900 T
1 2 3 4

1. Product Code
2. Size Code (L*W): 2.0 * 1.2mm
3. Impedance: 90 ohm @10MHz
4. Tolerance: T = Typical

Size Code:

JIS Code	EIA Code
2012	0805
3216	1206
4532	1812

Dimension & Recommended PAD Layout: [mm]



A full series of common mode choke is designed for excellent noise attenuation with compact sizing for use in wide range of applications.
Both standard series and custom designs are available.

Applications

- * USB line for personal computers and periphera
- * IEEE 1394 line for personal computers, DVC, STB
- * LVDS, panel line for liquid display panels, graph card, etc.

Operating & Storage Condition :

- * Operating Temp : -40 to +85 °C
- * Storage Temp : -40 to +85 °C
- * Storage Life Time: 12 Months @25 °C , RH 65%

Test Equipment :

- * HP4291A-Z, HP4284A, HP42841A- L, IDC, Q, RDC
- * HP8753D Network Analyzer- SRF

Standard Atmospheric Conditions :

- * Ambient Temp : 20±15 °C
- * Relative Humidity : 65±20%

Size Code	A(±0.2)	B(±0.2)	C(±0.2)	D(±0.2)	E(±0.2)	F(typ.)	G(typ.)	H(typ.)	I(typ.)
FSCM2012	2.0	1.2	1.2	0.4	0.4	2.6	0.8	1.2	0.4
FSCM3216	3.2	1.6	1.6	0.6	0.6	3.8	1.6	1.8	0.4
FSCM4532	4.5	3.2	3.2	1.0	1.2	5.9	3.2	3.4	1.6

FSCM series (Rev. 4.0)**Electrical Characteristics**

P/N	Impedance (Ω) min. @100Mhz	Impedance (Ω) typ. @100Mhz	Rated Voltage (VDC)	Withstanding Voltage (VDC)	DCR (Ω) max.	Rated Current (mA) max.	Insulation Resis. (mΩ) min.
FSCM2012-670T	30	67	50	125	0.25	400	10
FSCM2012-900T	60	90	50	125	0.30	400	10
FSCM2012-121T	95	120	50	125	0.30	370	10
FSCM2012-161T	115	160	50	125	0.35	330	10
FSCM2012-181T	135	180	50	125	0.35	330	10
FSCM2012-221T	145	220	50	125	0.40	330	10
FSCM2012-261T	195	260	50	125	0.40	330	10
FSCM2012-361T	200	360	50	125	0.40	280	10
FSCM2012-401T	320	400	50	125	0.40	50	10
FSCM3216-900T	60	90	50	125	0.30	370	10
FSCM3216-121T	90	120	50	125	0.30	370	10
FSCM3216-161T	115	160	50	125	0.40	340	10
FSCM3216-221T	145	220	50	125	0.50	310	10
FSCM3216-601T	425	600	50	125	0.80	260	10
FSCM3216-102T	700	1000	50	125	1.00	230	10
FSCM3216-222T	1560	2200	50	125	1.20	200	10
FSCM4532-110T	300 @10Mhz	700	50	125	0.60	250	10
FSCM4532-220T	500 @10Mhz	1000	50	125	1.00	200	10
FSCM4532-510T	1000 @10Mhz	2000	50	125	1.00	200	10
FSCM4532-101T	2000 @10Mhz	5000	50	125	3.00	150	10