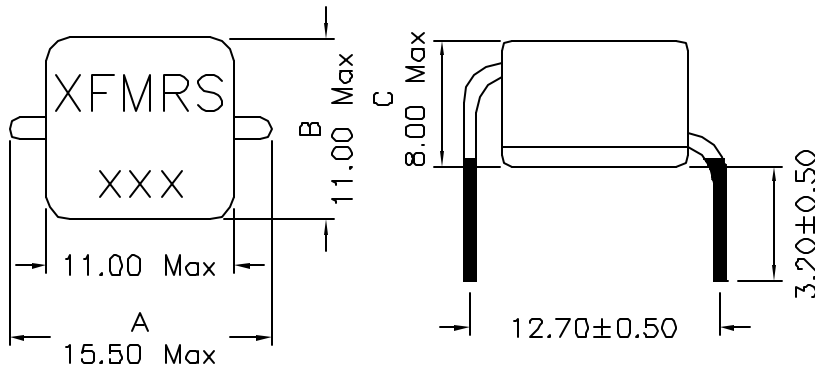
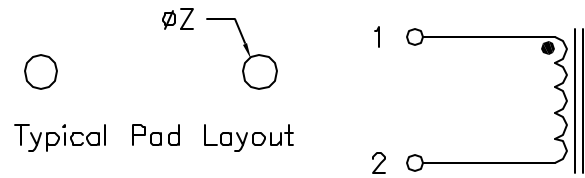


XF111108-XXX SERIES INDUCTOR

Mechanical Dimensions:



Schematic:



TOLERANCE:
.xx ±0.25
Dimensions in MM

Part Number	OCL ¹ @I _{rated} (uH Typ)	I _{rated} ² (A)	DCR (mOhms)		OCL @0Adc (uH±15%)	I _{sat} ³ (A)	I _{dc} ⁴ (A)	"Z"	Core Loss Factor	
			Typ	Max					(K1)	(K2)
XF111108-151	0.14	38.7	0.70	0.80	0.15	50	38.7	1.6	1.14E-09	17.27
XF111108-281	0.25	38.7	0.70	0.80	0.28	45	38.7	1.6	1.14E-09	32.24
XF111108-351	0.32	25.5	1.66	1.85	0.35	45	25.5	1.3	1.14E-09	28.79
XF111108-451	0.41	25.5	1.66	1.85	0.45	35	25.5	1.3	1.14E-09	37.01
XF111108-601	0.54	20.2	2.50	2.80	0.60	35	20.2	1.1	1.14E-09	38.38
XF111108-801	0.72	20.2	2.50	2.80	0.80	25	20.2	1.1	1.14E-09	51.18
XF111108-102	0.90	16.5	3.80	4.10	1.00	20	16.5	1.0	1.14E-09	52.34
XF111108-132	1.17	16.5	3.80	4.10	1.30	20	16.5	1.0	1.14E-09	68.04
XF111108-152	1.35	15.3	4.50	4.80	1.50	18	15.3	1.0	1.14E-09	66.43
XF111108-182	1.62	15.3	4.50	4.80	1.80	18	15.3	1.0	1.14E-09	79.72
XF111108-222	1.98	14.0	5.30	5.50	2.20	16	14.0	1.0	1.14E-09	84.44
XF111108-252	2.25	14.0	5.30	5.50	2.50	16	14.0	1.0	1.14E-09	95.95

- OCL @I_{rated} is a typical inductance value at rated current
- I_{rated} is the lower of I_{sat} @25°C
- I_{sat} is the DC current at which the inductance drop 10% Typ
- I_{dc} is the DC current at which the temp increases by 40°C
- Unless otherwise specified, all test are made @100KHz, 0.1Vac
- Electrical specifications at 25°C
- Solderability: Leads shall meet MIL-STD-202, Method 208D for solderability.
- Flammability: UL94V-0
- ASTM oxygen index: > 28%
- Insulation System: Class F 155°C. UL file E151556
- Operating Temperature Range: All listed parameters are to be within tolerance from -40°C to +125°C
- Storage Temperature Range: -55°C to +125°C
- Aqueous wash compatible
- SMD Lead Coplanarity: ±0.004" (0.102mm)
- Moisture Sensitivity: Level 2
- Electrical and mechanical specifications 100% tested
- RoHS Compliant Component