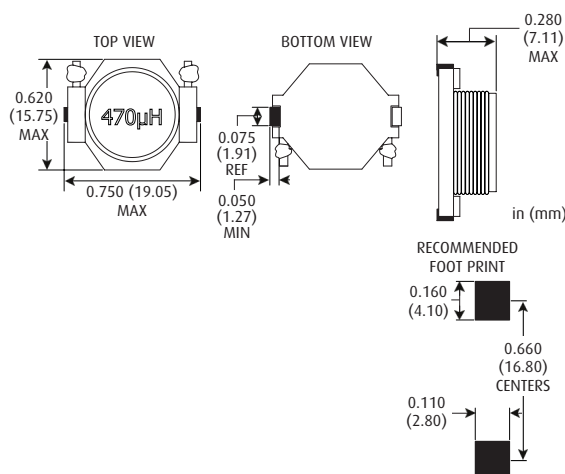


SMP5022 SERIES



Wirewound Unshielded Open Construction Inductor



PART NUMBER	L μ H @ 100 kHz	DCR Ω MAX	I SAT A DC	CURRENT RATING A DC
FERRITE CORE				
SMP5022-101M	1.0	0.009	20	8.6
SMP5022-221M	2.2	0.014	19	7.1
SMP5022-331M	3.3	0.015	17	6.2
SMP5022-561M	5.6	0.020	15	5.3
SMP5022-102M	10	0.031	12	4.3
SMP5022-152M	15	0.036	9.7	4.0
SMP5022-222M	22	0.047	7.8	3.5
SMP5022-332M	33	0.066	6.5	3.0
SMP5022-472M	47	0.086	5.6	2.6
SMP5022-682M	68	0.130	4.5	2.3
SMP5022-103M	100	0.190	3.6	1.8
SMP5022-153M	150	0.250	3.0	1.5
SMP5022-223M	220	0.380	2.5	1.2
SMP5022-333M	330	0.560	2.1	1.0
SMP5022-473M	470	0.850	1.7	0.82
SMP5022-683M	680	1.1	1.4	0.72
SMP5022-104M	1000	1.8	1.2	0.56

NOTES

- **Operating Temperature Range:** -55°C to +125°C
- **Current Rating** is based on a 40°C temperature rise at an ambient temperature of 85°C
- **Saturation Current** is the approximate value that will reduce the initial inductance by 10%
- **Weight Max:** 3.75 grams
- **Marking:** Inductance (see diagram above)
- Molded Epoxy base for superior heat strength
- Materials are fungus-inert to meet method 508 of MIL-STD-810H
- Custom designs are available to meet your specific requirements; please contact factory
- **Applications:** Can be used for all types of power applications including filters for DC/DC converters and switching regulated power supplies.

PART NUMBER DERIVATION

SMP5022 - 101 M LF

GEC Series ————

Inductance: 2 signif. digits & mult. ————

ex: 101 = 1.0 μ H, 102 = 10 μ H, 103 = 100 μ H, 104 = 1000 μ H

Tolerance: M = 20% ————

(Table shows lowest standard tolerance option)
Optional tolerances are available; contact factory

Termination: LF = RoHS, No Suffix = SnPb (Standard) ————

TAPE AND REEL SPECS

Pieces/reel maximum:	350
Pitch between parts:	24 mm
Tape width:	32 mm
Reel diameter:	13 in.