

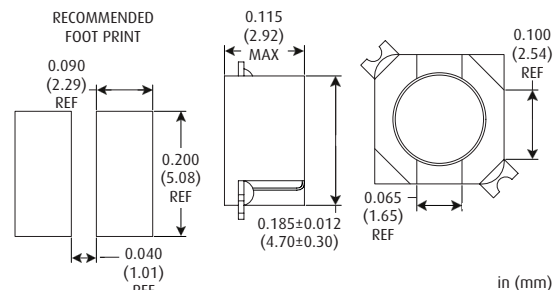
GP3042 SERIES



Shielded Power Choke



PART NUMBER	L μH	TEST FREQ kHz	SRF MHz TYP	DCR Ω MAX	CURRENT RATING A DC
FERRITE CORE / FERRITE SLEEVE					
GP3042-1R2MLF	1.2	100	120	0.019	1.80
GP3042-2R2MLF	2.2	100	77	0.023	1.35
GP3042-3R3MLF	3.3	100	65	0.032	1.10
GP3042-4R7MLF	4.7	100	55	0.045	0.90
GP3042-6R8MLF	6.8	100	45	0.060	0.73
GP3042-100MLF	10	100	37	0.083	0.58
GP3042-120MLF	12	1	34	0.100	0.53
GP3042-150MLF	15	1	30	0.115	0.46
GP3042-180MLF	18	1	28	0.150	0.42
GP3042-220MLF	22	1	25	0.160	0.38
GP3042-270MLF	27	1	21	0.190	0.35
GP3042-330MLF	33	1	18	0.215	0.32
GP3042-390MLF	39	1	17	0.290	0.30
GP3042-470MLF	47	1	16	0.320	0.28
GP3042-560MLF	56	1	15	0.365	0.25
GP3042-680MLF	68	1	14	0.480	0.22
GP3042-820MLF	82	1	12	0.520	0.20
GP3042-101MLF	100	1	11	0.700	0.12



NOTES

- **Operating Temperature Range:** -55°C to +125°C
- **Current Rating** is based on a 40°C maximum temperature rise, 10% maximum decrease in inductance, at an ambient temperature of 25°C
- **Weight Max:** 0.85 grams
- **Marking:** XXX (dash number) (see diagram above)
- Terminals are solderable - more than 95% new solder coverage when subjected to soldering temperature
- **Application Frequency Range:**
To 1.0 MHz MIN (for L values 1.2μH - 10μH)
To 300 kHz MIN (for L values >10μH)
- Custom designs are available to meet your specific requirements; please contact factory

PART NUMBER DERIVATION

GP3042 - 1R2 M LF

GEC Series ————

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

ex: 1R2 = 1.2μH, 100 = 10μH, 101 = 100μH

Tolerance: M = 20% ————

(Table shows lowest standard tolerance option)

Termination: LF = RoHS compliant (standard) ————

TAPE AND REEL SPECS:

Pieces/reel maximum:	500
Pitch between parts:	8 mm
Tape width:	12 mm
Reel diameter:	13 in.