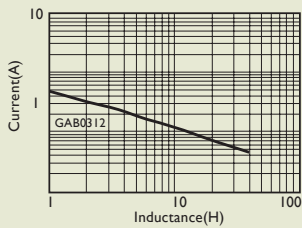


GAB0312 Series

Mini Power Inductors

TYPICAL ELECTRICAL CHARACTERISTICS CURVE



TEST INSTRUMENT: HP 4285A, Zentech 301A
INDUCTANCE-CURRENT (REFERENCE)

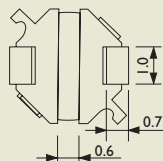
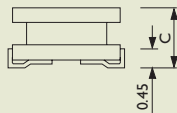
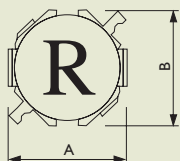
ELECTRICAL CHARACTERISTICS : LEAD-FREE & ROHS COMPLIANCE

P/N	Inductance L(μ H) ¹	DCR (Ω) $\pm 20\%$	IDC (A) MAX. ²	Marking
GAB0312T-1R0N-N	1.0 $\pm 30\%$	0.08	1.40	A
GAB0312T-1R8N-N	1.8 $\pm 30\%$	0.11	1.10	C
GAB0312T-2R2N-N	2.2 $\pm 30\%$	0.12	1.00	D
GAB0312T-2R7N-N	2.7 $\pm 30\%$	0.15	0.95	E
GAB0312T-4R7N-N	4.7 $\pm 30\%$	0.28	0.75	H
GAB0312T-5R6N-N	5.6 $\pm 30\%$	0.31	0.68	I
GAB0312T-6R8N-N	6.8 $\pm 30\%$	0.36	0.62	K
GAB0312T-7R5N-N	7.5 $\pm 30\%$	0.39	0.60	L
GAB0312T-100M-N	10 $\pm 20\%$	0.43	0.53	M
GAB0312T-150M-N	15 $\pm 20\%$	0.72	0.44	O
GAB0312T-220M-N	22 $\pm 20\%$	1.18	0.33	R
GAB0312T-330M-N	33 $\pm 20\%$	1.90	0.26	T
GAB0312T-470M-N	47 $\pm 20\%$	2.45	0.23	V
GAB0312T-680M-N	68 $\pm 20\%$	4.20	0.17	X

1. Test Frequency 100KHZ 0.1Vrms.
2. DC Current at which the Inductance Drops 30%(typ) from its value without Current.
3. Operating Temperature Range -40°C to 85°C
4. Tolerance : M : $\pm 20\%$, N : $\pm 30\%$
5. Packaging : Clear Tape and Reel (Standard)

SHAPE AND DIMENSIONS

Dimensions : mm



Parts/reel:
7" 1500pcs
Tape width:
12mm

TYPE	A	B	C
GAB0312	3.2 ± 0.3	3.2 ± 0.3	1.2MAX

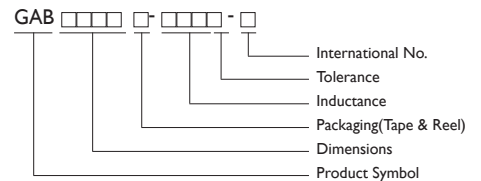
FEATURES

- Low profile 1.2mm max.
- Maximum current rating of 1.4Amps.
- Density design, small size, and low cost.

APPLICATIONS

DC /DC converter
Camcorder
LCD TV
MP3 - player
Digital camera
G.P.S
Portable CDR-W
PDA (desktop)

PRODUCT IDENTIFICATION



LAND PATTERNS PCB

