查询PG0040.102T供应商

SMT POWER INDUCTORS

Shielded Drum Core - PG0040/41 Series

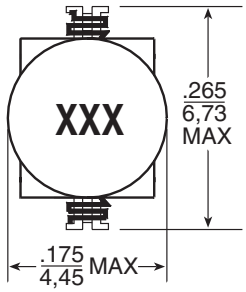
Pulse
A TECHNITROL COMPANY

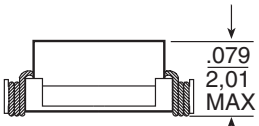
- Small footprint and low profile (6.7 mm x 4.5 mm x 2.0 mm MAX)
- **PG0040** - low inductance/high saturation current for power applications
- **PG0041** - high inductance for EL backlight applications
- Reliable, cost effective self-leaded design

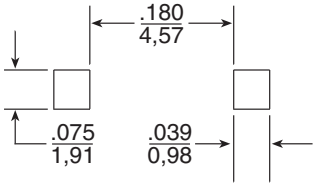
Electrical Specifications @ 25°C — Operating Temperature -25°C to +85°C

	Part Number	Inductance @Irated[1] (µH TYP)	Irated[2] (A)	DCR (mΩ) TYP	DCR (mΩ) MAX	Inductance @0Adc (µH ±20%)	Saturation[3] Current Isat (A)	Heating[4] Current Idc (A)	Q-Factor (Ref.)	SRF (MHz Ref.)
Power Applications	PG0040.102T	0.7	1.2	30	40	1.0	1.2	2.2	30 @ 200kHz	>40
	PG0040.152T	1.0	1.0	40	54	1.5	1.0	1.9	30 @ 200kHz	>40
	PG0040.222T	1.5	.960	50	64	2.2	.960	1.6	40 @ 200kHz	>40
	PG0040.332T	2.3	.750	55	68	3.3	.750	1.3	40 @ 200kHz	>40
	PG0040.472T	3.3	.650	65	74	4.7	.650	1.1	40 @ 200kHz	32
	PG0040.682T	4.8	.500	75	89	6.8	.500	1.0	40 @ 200kHz	24
	PG0040.103T	7.0	.400	80	106	10	.400	.800	40 @ 200kHz	18
	PG0040.153T	10.5	.300	120	154	15	.300	.600	40 @ 100kHz	13
	PG0040.223T	15.4	.230	163	188	22	.230	.500	40 @ 100kHz	12
	PG0040.333T	23.1	.205	240	278	33	.205	.400	40 @ 100kHz	10
	PG0040.473T	32.9	.195	360	406	47	.195	.330	40 @ 100kHz	9
	PG0040.683T	47.6	.150	550	594	68	.150	.270	40 @ 100kHz	7
	PG0040.104T	70	.120	810	857	100	.120	.250	40 @ 100kHz	5
	PG0040.154T	105	.105	1210	1397	150	.105	.190	40 @ 100kHz	4
	PG0040.224T	154	.096	1550	1683	220	.096	.150	40 @ 100kHz	3
EL Backlight	PG0041.334T	231	.070	2350	2650	330	.070	.120	40 @ 100kHz	2.8
	PG0041.474T	329	.062	3620	3830	470	.062	.105	40 @ 100kHz	2.6
	PG0041.604T	420	.048	4230	4520	600	.048	.096	40 @ 100kHz	2.2
	PG0041.684T	476	.045	4700	4800	680	.045	.090	40 @ 100kHz	1.6
	PG0041.824T	574	.040	5700	6350	820	.040	.080	40 @ 100kHz	1.2
	PG0041.105T	700	.035	6600	6800	1000	.035	.076	40 @ 100kHz	1.0
	PG0041.205T	1400	.032	14700	15600	2000	.032	.054	40 @ 100kHz	0.9
	PG0041.305T	2100	.024	24700	26000	3000	.024	.042	40 @ 100kHz	0.7
	PG0041.505T	3500	.019	37000	39000	5000	.019	.030	40 @ 100kHz	0.5

Mechanical

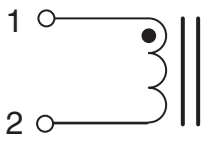






SUGGESTED PAD LAYOUT

Schematic



Weight . . . . . 0.1 grams
Tape & Reel 2500/reel
Dimensions: Inches / mm

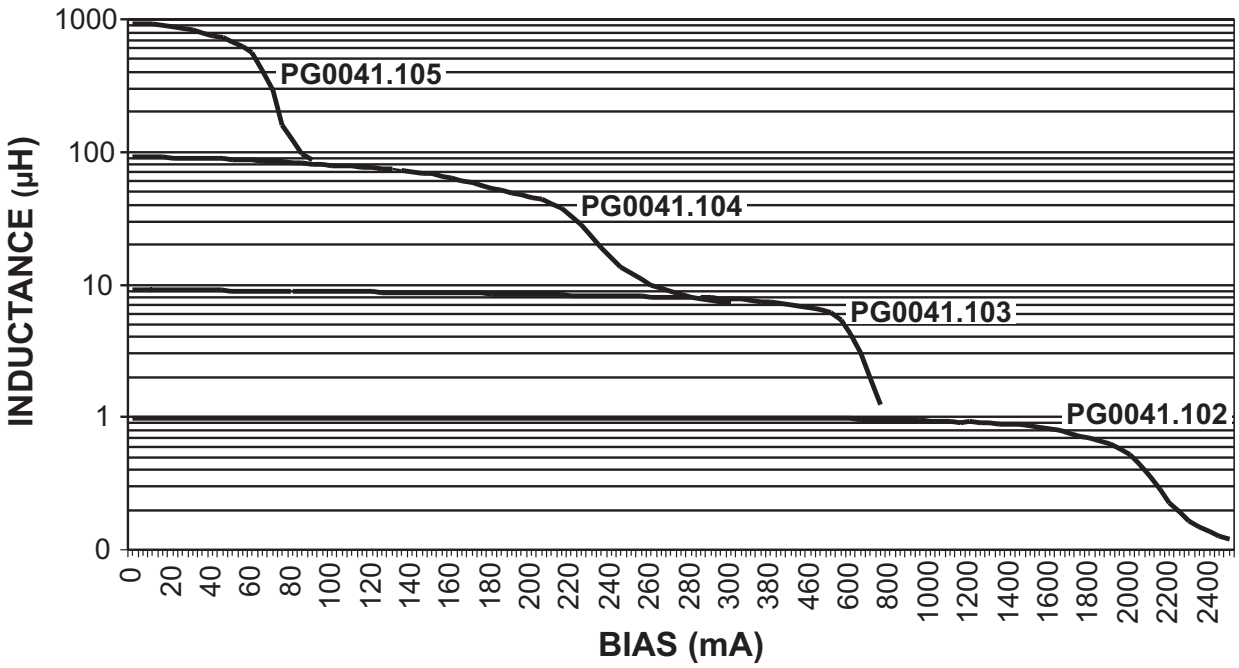
Unless otherwise specified, all tolerances are ± .010 / 0,25

SMT POWER INDUCTORS
Shielded Drum Core - PG0040/41 Series

Notes from Tables

1. Inductance at Irated is a typical inductance value for the component taken at rated current.
2. The rated current listed is the lower of the saturation current @ 25°C or the heating current.
3. The saturation current, Isat, is the current at which the component inductance drops by 30% (typical) at an ambient temperature of 25°C. This current is determined by placing the component in the specified ambient environment and applying a short duration pulse current (to eliminate self-heating effects) to the component.
4. The heating current, Idc, is the DC current required to raise the component temperature by approximately 40°C. The heating current is determined by mounting the component on a typical PCB and applying current for 30 minutes.

PG0040/PG0041 TYPICAL INDUCTANCE VS. DC BIAS



For More Information :

UNITED STATES (Worldwide)
12220 World Trade Drive
San Diego, CA 92128
U.S.A.
http://www.pulseeng.com
TEL: 858 674 8100
FAX: 858 674 8262

UNITED KINGDOM (Northern Europe)
1 & 2 Huxley Road
The Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom
TEL: 44 1483 401700
FAX: 44 1483 401701

FRANCE (Southern Europe)
Zone Industrielle
F-39270
Orgelet
France
TEL: 33 3 84 35 04 04
FAX: 33 3 84 25 46 41

SINGAPORE (Southern Asia)
150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324
TEL: 65 287 8998
FAX: 65 280 0080

TAIWAN, R.O.C. (Northern Asia)
3F-4, No. 81, Sec. 1
HsinTai Wu Road
Hsi-Chih, Taipei Hsien
Taiwan, R.O.C.
Tel: 886 2 2698 0228
FAX: 886 2 2698 0948

HONG KONG (China/Hong Kong)
19/F, China United Plaza
1008 Tai Nan West Street
Cheung Sha Wan, Kowloon
Hong Kong, China
TEL: 852 2788 6588
FAX: 852 2776 1055

DISTRIBUTOR

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.

Printed on recycled paper. © 2002, Pulse Engineering, Inc.