

Panasonic ELL-6SH series alternatives

Part No. PAN6028H series

Power Inductor (SMD), 22 μ H, 900 mA, Shielded, 900 mA,



PAN6028H SERIES ~ SMD Shielded Power Inductors

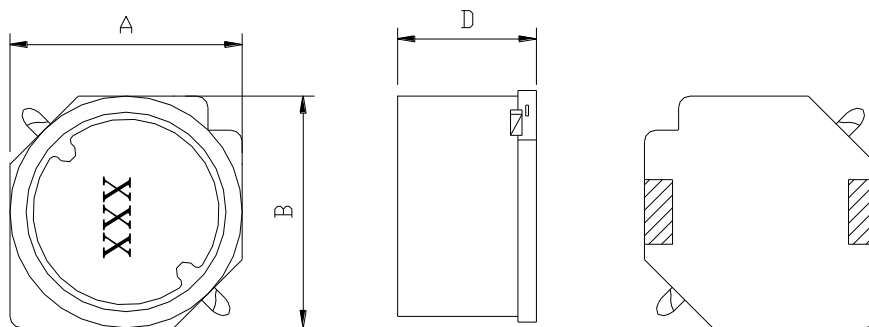


PART NUMBERING SYSTEM

PAN	6028H	—	150M	—	CM
TYPE	DIMENSIONS		INDUCTANCE		LEAD FREE

SHAPES AND DIMENSIONS

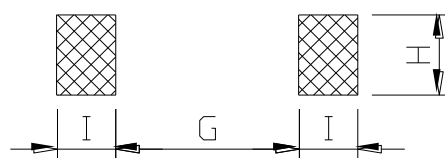
UNIT : mm



A=6.2 Max. B=6.2 Max. D=3.0 Max.

RECOMMENDED PATTERNS

UNIT : mm



G=4.0 H=2.2 I=1.5

FEATURES

- High rated current, low DC resistance .
- Magnetically shielded construction .
- Suitable for lead-free reflow soldering as referenced in JEDEC J-STD 020D .
- Ideal for a variety of DC-DC converter inductors applications .
- RoHS compliant .

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SPECIFICATION TABLE

PART NUMBER	INDUCTANCE (μ H)	DCR (Ω) (Max.)	Isat (A) (Max.)	Irms (A) (Max.)	TEST FREQ. (f)
PAN028H-R82M-CM	0.82 $\pm$ 20%	0.015	4.45	3.45	100KHz
PAN6028H-1R0M-CM	1.0 $\pm$ 20%	0.016	4.40	3.40	100KHz
PAN6028H-1R2M-CM	1.2 $\pm$ 20%	0.017	3.90	3.25	100KHz
PAN6028H-1R5M-CM	1.5 $\pm$ 20%	0.020	3.60	3.10	100KHz
PAN6028H-2R2M-CM	2.2 $\pm$ 20%	0.025	2.60	2.55	100KHz
PAN6028H-3R3M-CM	3.3 $\pm$ 20%	0.031	2.10	2.30	100KHz
PAN6028H-4R7M-CM	4.7 $\pm$ 20%	0.040	1.80	2.00	100KHz
PAN6028H-6R8M-CM	6.8 $\pm$ 20%	0.050	1.50	1.65	100KHz
PAN6028H-100M-CM	10.0 $\pm$ 20%	0.062	1.30	1.50	100KHz
PAN6028H-150M-CM	15.0 $\pm$ 20%	0.097	1.05	1.25	100KHz
PAN6028H-220M-CM	22.0 $\pm$ 20%	0.150	0.85	1.05	100KHz
PAN6028H-330M-CM	33.0 $\pm$ 20%	0.230	0.72	0.85	100KHz
PAN6028H-470M-CM	47.0 $\pm$ 20%	0.310	0.60	0.75	100KHz
PAN6028H-680M-CM	68.0 $\pm$ 20%	0.410	0.50	0.65	100KHz
PAN6028H-101M-CM	100 $\pm$ 20%	0.580	0.42	0.53	100KHz
PAN6028H-151M-CM	150 $\pm$ 20%	1.050	0.33	0.38	100KHz
PAN6028H-221M-CM	220 $\pm$ 20%	1.350	0.28	0.35	100KHz
PAN6028H-331M-CM	330 $\pm$ 20%	2.300	0.22	0.27	100KHz
PAN6028H-471M-CM	470 $\pm$ 20%	2.700	0.18	0.24	100KHz
PAN6028H-681M-CM	680 $\pm$ 20%	4.050	0.15	0.20	100KHz
PAN6028H-102M-CM	1000 $\pm$ 20%	6.000	0.13	0.16	100KHz

- Isat : DC current at which the inductance drops 10% (typ) from its value without current.
- Irms: The actual current when temperature of coil becomes $\Delta 40^{\circ}\text{C}$. (Ta=+25 $^{\circ}\text{C}$)
- Operating temperature range -40 $^{\circ}\text{C}$ to +125 $^{\circ}\text{C}$,
- Electrical specifications at 25 $^{\circ}\text{C}$.
- Packing : Tape & reel ; 1,000pcs / Reel.