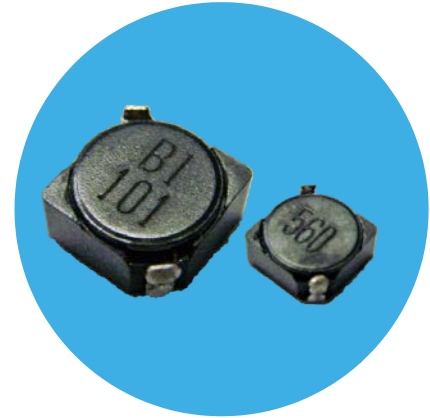



Miniature Low Profile, Shielded Surface Mount Inductors

MODEL HA66

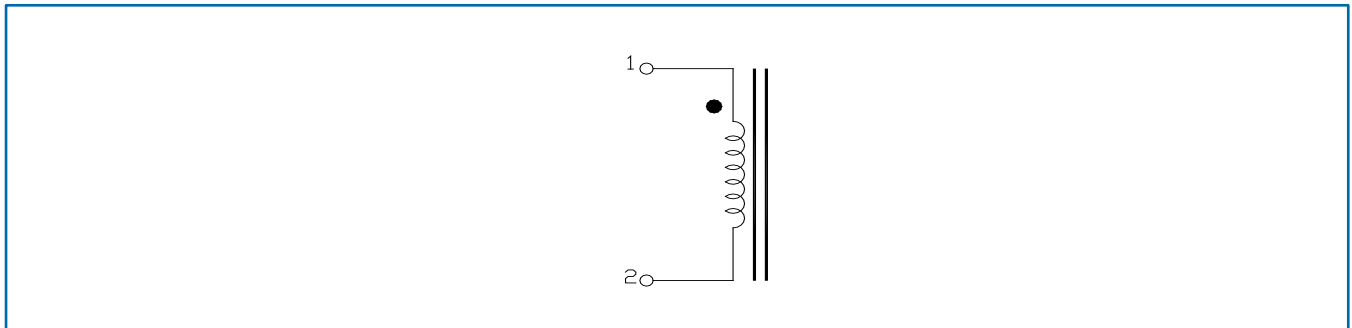
Features

- Operating Temperature Range -40°C to +125°C
- Ambient Temperature, Maximum +85°C
- Temperature Rise, Maximum 40°C
- RoHS Compliant
- AEC-Q200 Certified



 All parts are Pb-free and comply with EU Directive 2011/65/EU (RoHS2)

Schematic



Specifications @ 25°C

Part Number	Inductance (1-2 or 4-3) μ H Min.	DC Resistance (1-2 or 4-3) m Ω Typ.	Isat	Irms	Figure
HA66-5302R5LF	2.5	0.018	3.40	7.50	2
HA66-5303R0LF	3.0	0.024	3.20	7.25	2
HA66-5304R2LF	4.2	0.031	2.45	6.50	2
HA66-5305R3LF	5.3	0.038	2.25	5.90	2
HA66-5306R2LF	6.2	0.045	1.95	5.45	2
HA66-5308R2LF	8.2	0.053	1.80	4.00	2
HA66-530100LF	10	0.065	1.60	4.50	2
HA66-530120LF	12	0.076	1.57	4.49	2
HA66-530150LF	15	0.103	1.40	3.50	2
HA66-530180LF	18	0.110	1.25	3.45	2
HA66-530220LF	22	0.122	1.12	3.18	2
HA66-530270LF	27	0.175	1.00	2.38	2
HA66-530330LF	33	0.189	0.90	2.50	2
HA66-530390LF	39	0.212	0.85	2.19	2

General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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Inductor

Miniature Low Profile,

Shielded Surface

Mount Inductors

MODEL HA66



Specifications @ 25°C (Continued)

Part Number	Inductance (1-2 or 4-3) μH Min.	DC Resistance (1-2 or 4-3) $\text{m}\Omega$ Typ.	I_{sat}	I_{rms}	Figure
HA66-530470LF	47	0.260	0.80	2.00	2
HA66-530560LF	56	0.305	0.72	1.71	2
HA66-530680LF	68	0.355	0.65	1.64	2
HA66-530820LF	82	0.463	0.59	1.52	2
HA66-530101LF	100	0.520	0.52	1.40	2

HA66-6403R3LF	3.3	0.020	4.40	11.20	2
HA66-6405R0LF	5.0	0.024	3.75	8.35	2
HA66-6406R2LF	6.2	0.027	3.20	9.00	2
HA66-6407R4LF	7.4	0.031	3.15	7.30	2
HA66-6408R7LF	8.7	0.034	2.90	7.20	2
HA66-640100LF	10	0.038	2.60	5.45	2
HA66-640120LF	12	0.053	2.40	5.70	2
HA66-640150LF	15	0.057	2.20	5.10	2
HA66-640180LF	18	0.092	2.00	5.20	2
HA66-640220LF	22	0.096	1.90	4.35	2
HA66-640270LF	27	0.109	1.58	4.16	2
HA66-640330LF	33	0.124	1.48	3.80	2
HA66-640390LF	39	0.138	1.30	3.40	2
HA66-640470LF	47	0.155	1.20	3.30	2
HA66-640560LF	56	0.202	1.12	2.60	2
HA66-640680LF HA66-640680SLF	68	0.234	1.00	2.38	2
HA66-640820LF	82	0.324	0.90	2.36	2
HA66-640101LF	100	0.358	0.80	2.30	2
HA66-640221LF	220	0.820	0.55	1.22	2

- Notes: (1) I_{sat} is the saturation current at which inductance rolls off approximately 35% from its initial (zero DC)
(2) I_{rms} is the approximate current at which $\Delta T = 40^\circ\text{C}$

Packaging

Standard:	Embossed Tape and Reel			
	Diameter:	=	13" (330.2mm)	
	Reel:	Case size 530	=	2000 units
		Capacity: Case size 640	=	1000 units

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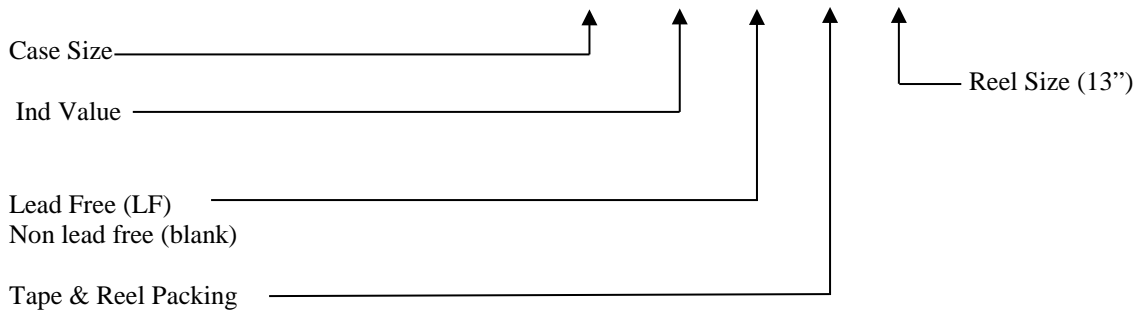
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Inductor
Miniature Low Profile,
Shielded Surface
Mount Inductors

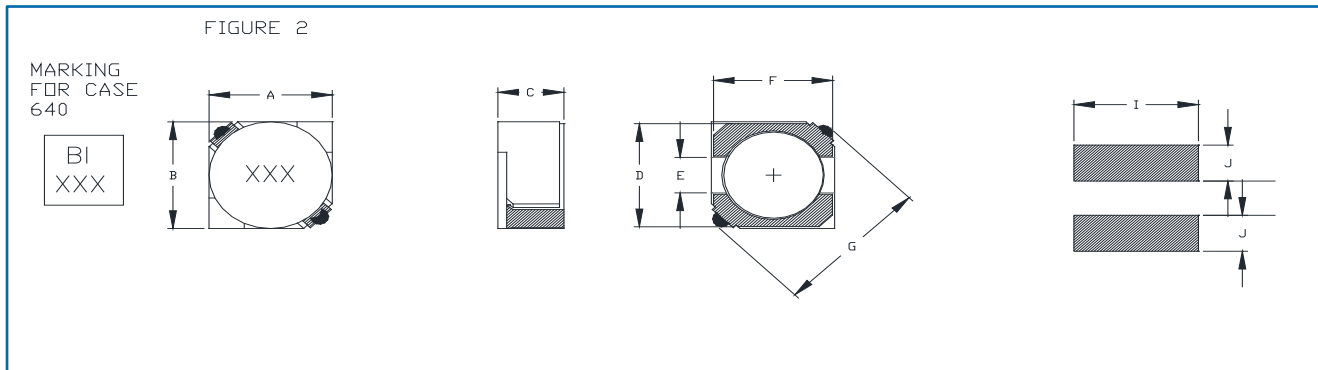
MODEL HA66

Ordering information

HA66 – XXX XXX LF TR XX



Outline dimensions (mm)



CASE SIZE	Fig	A	B	C Max	D	E	F	G Max	H	I	J
530	2	5.7±0.5	5.7±0.5	3.0	5.5±0.3	2.0±0.15	5.5±0.3	8.2	2.0	6.3	2.15
640	2	6.7±0.5	6.7±0.5	4.0	6.5±0.3	2.0±0.15	6.5±0.3	9.5	2.0	7.3	2.65

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