

Gate Drive Transformer

HA86A series



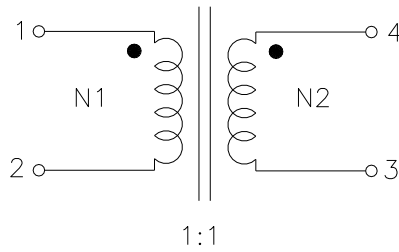
Features:

- Operating Temperature Range -40°C to +125°C
- Ambient Temperature, Maximum +85°C
- Temperature Rise, Maximum 40°C
- RoHS Compliant
- AEC-Q200 Certified
- Design for Freescale HV/EV Battery Management System



All parts are Pb-free and comply with EU RoHS Directive 2011/65/EU with amendment (EU) 2015/863 (RoHS3)

Schematic



Specifications @ 25°C

Part Number	Inductance (1-2 or 4-3) μH Min.	Leakage In- ductance (μH) Max	DC Resistance Ω.		DC Resistance Ω.		Dielectric Break- down Voltage1-4)
			1-2		4-3		
			Typ	Max	Typ	Max	
HA86A-10050LFTR	50	0.08	0.033	0.100	0.033	0.100	500Vdc@1sec
HA86A-10125LFTR	125	0.08	0.047	0.100	0.047	0.100	500Vdc@1sec
HA86A-10180LFTR	180	0.08	0.108	0.200	0.108	0.200	500Vdc@1sec
HA86A-10255LFTR	255	0.10	0.156	0.250	0.156	0.250	500Vdc@1sec
HA86A-10368LFTR	368	0.10	0.242	0.350	0.242	0.350	500Vdc@1sec
HA86A-20050LFTR	50	0.10	0.135	0.200	0.092	0.200	*3750Vrms@1sec
HA86A-20125LFTR	125	0.10	0.172	0.250	0.130	0.250	*3750Vrms@1sec

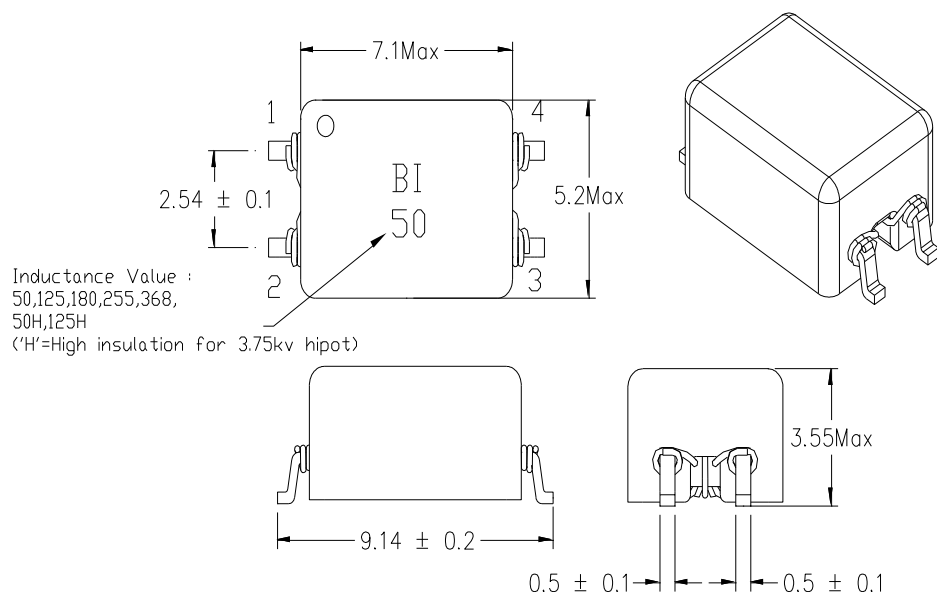
General Note

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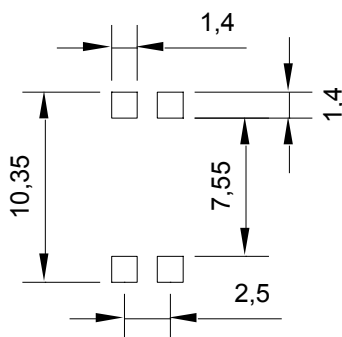
Notes:

1. Inductance and leakage Inductance are measured at 100 kHz, 0.01Vac.
2. Leakage inductance is measured at pin 1-2 with N2 (pin 4-3) winding shorted.
3. *Dielectric breakdown voltage is measured at 50Hz, 0.5mA.

Outline dimensions (mm)



RECOMMENDED PCB HOLES



General Note

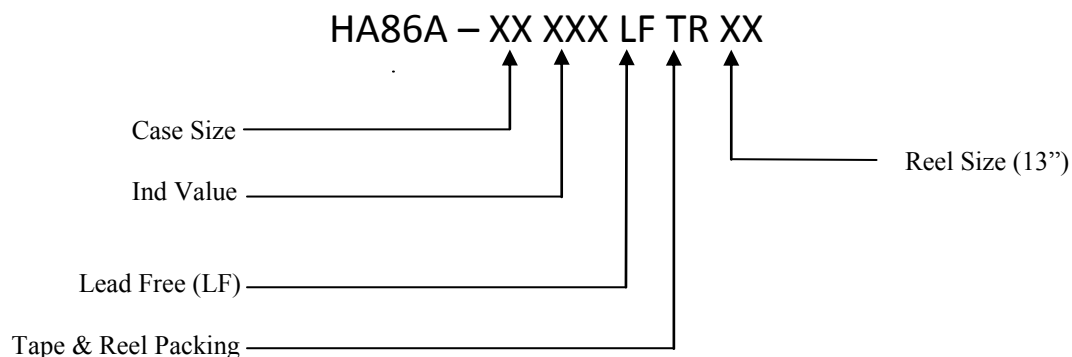
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Ph: +60 9 565 8888
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Packaging

Standard:	Embossed Tape and Reel			
	Reel:	Diameter	All case size	= 13" (330mm))
		Capacity	All case size	= 1500

Ordering information



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