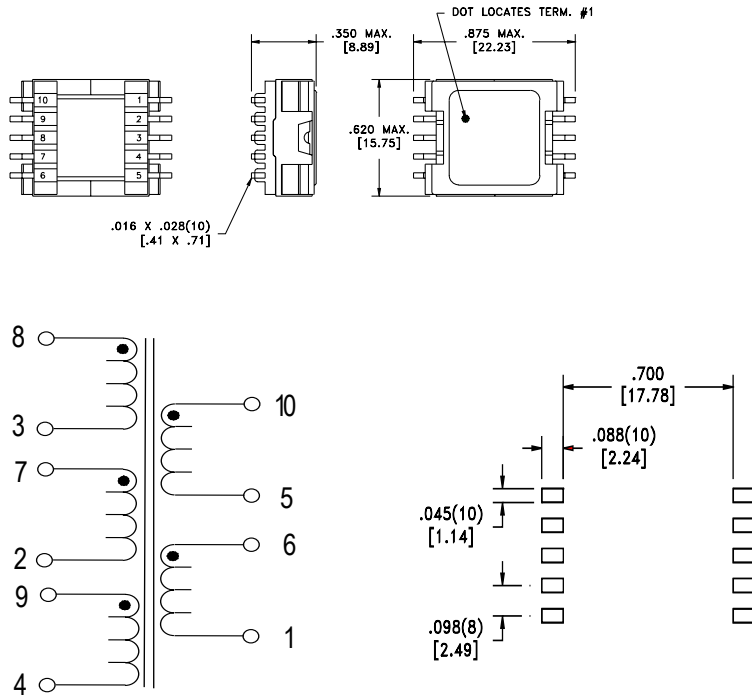


FLEXformer 15 Product Line



Features

- Economic, reliable SMD transformers and inductors
- Combine windings in series or parallel to meet your specific application
- Manufactured with UL94 V-O materials
- Pick and place compatible
- Compatible with solder reflow process to 240° C
- Power range: Typically 8 watts and below
- Frequency range up to 500kHz

Applications

- Ideal for use as inductors or transformers in DC/DC converters for the following topologies and applications:
 - Buck/Boost
 - Chokes
 - Filters
 - Coupled inductors
 - Flyback
 - Push-Pull
 - SEPIC
 - Cuk
 - Forward converters
 - Half/Full bridge

Environmental Specifications

- Operating temperature range: -40°C to +85°C
- Storage temperature range: -50°C to +155°C

Packaging

- Surface mount parts packaged in 24/32 mm embossed carrier tape per EIA-481-3
- 200 pieces per 13" reel

P/N	L _{Base} uH	Isat _{Base} ¹ mA	I _{rms} _{Base} ² mA	DCR Max per wind ohms
31285R	25 +/- 10%	2000	400	0.210
31286R	40 +/- 15%	1500	400	0.210
31287R	64 +/- 15%	1000	400	0.210
31288R	100 +/- 25%	500	400	0.210
31289R	210 min	0	400	0.210

- 1 Amount of DC current that will result in approximately a 15% decrease in inductance.
- 2 RMS current rating for each single wind based on 250 circular mils per amp.
- 3 Maximum breakdown voltage between any 2 windings is 500VDC. Safety critical or high voltage designs are available upon request as a customized product.
- 4 Turns ratio 1:1:1:1:1 +/- 1%.