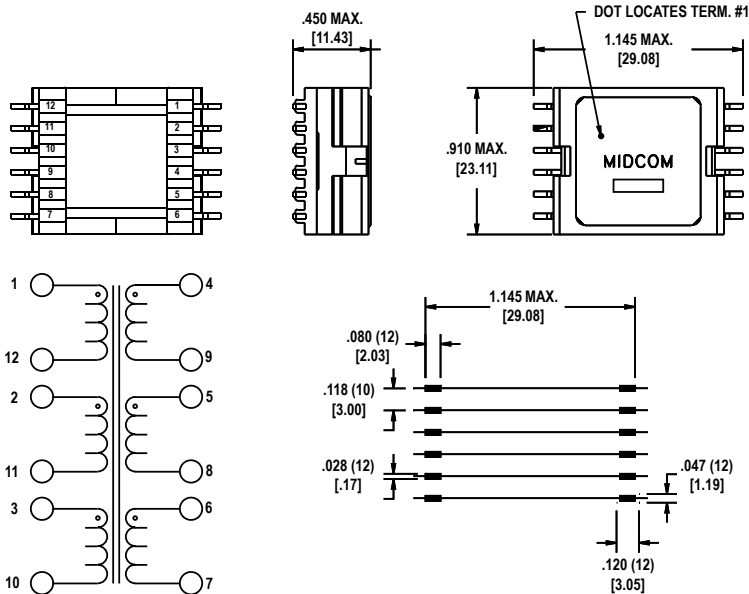


## FLEXformer 20 Product Line



### 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 15 watts and below
- Frequency range up to 500kHz

### Applications

- Ideal for use as inductors or transformers in DC/DC converters for the following topologies 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

- 125 pcs per 18" reel
- 44 mm pitch

P/N	$L_{Base}$ uH	$I_{sat}_{Base}^1$ A	$I_{rms}_{Base}^2$ A	DCR Max per wind ohms
31368R	9.0 +/- 15%	5.5	1.6	.06
31369R	14.4 +/- 15%	4.25	1.6	.06
31370R	23.0 +/- 15%	3.25	1.6	.06
31371R	36.0 +/- 15%	2.5	1.6	.06
31372R	45.4 +/- 15%	1.75	1.6	.06
31373R	57.6 +/- 20%	1.25	1.6	.06
31374R	110 min	0	1.6	.06

- 1 Amount of DC current that will result in approximately a 15% or less decrease in inductance.
- 2 RMS current rating for each single wind based on 200 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%.