

# HIGH FREQUENCY MAGNETICS

## DS3/E3/STS-1 Transformers

TM00148

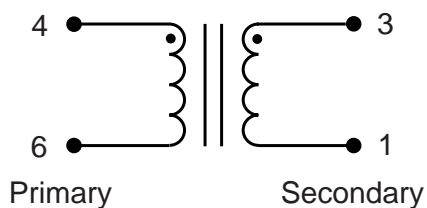
- 3 dB bandwidth 200 kHz - 340 MHz typical for 0554-3184-00 and S554-3184-00
- 3 dB bandwidth 250 kHz - 500 MHz typical for 0554-3184-01 and S554-3184-01
- Minimum interwinding breakdown voltage of 1500 Vrms

### ELECTRICAL SPECIFICATIONS at 25° C

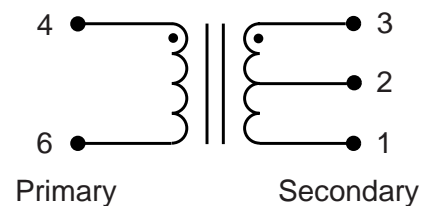
Part Number	Turns Ratio ± 5%	Primary Inductance μH min	Leakage Inductance μH max	Interwinding Capacitance pF max
<b>Through Hole Package</b>				
0554-3184-00	1 : 1	40	0.08	10
0554-3184-01	1 : 2 CT	19	0.06	10
0554-3184-02	1 : 2 CT	40	0.09	12
<b>Surface Mount Package</b>				
S554-3184-00	1 : 1	40	0.08	10
S554-3184-01	1 : 2 CT	19	0.06	10
S554-3184-02	1 : 2 CT	40	0.09	12

### SCHEMATICS

**0554-3184-00**  
**S554-3184-00**



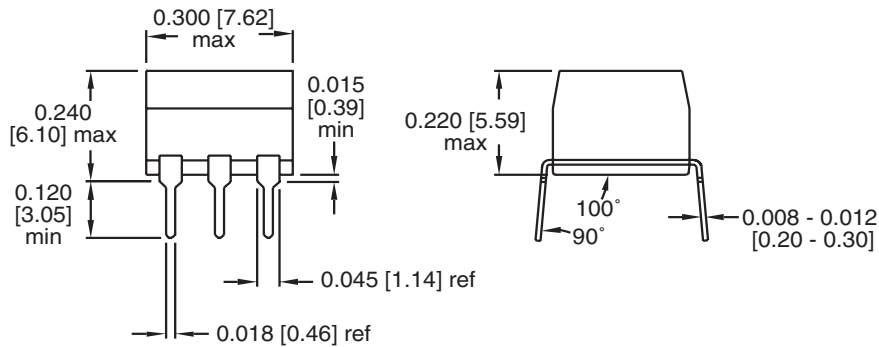
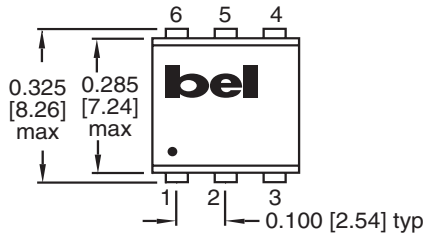
**0554-3184-01**  
**0554-3184-02**  
**S554-3184-01**  
**S554-3184-02**



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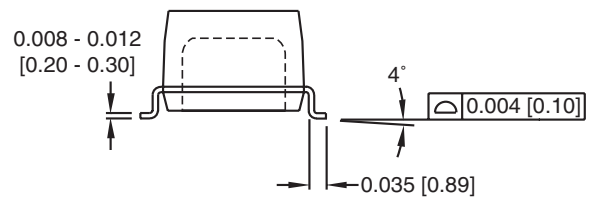
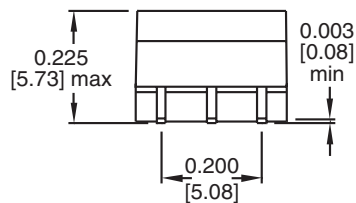
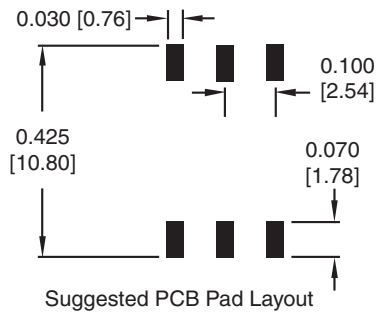
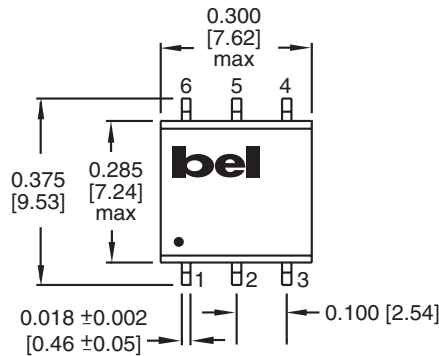
#### MECHANICAL

0554-3184-00  
0554-3184-01  
0554-3184-02



Dimensions are in inches [millimeters].  
Standard dimension tolerance is  $\pm 0.005$  [0.13] unless otherwise noted.

S554-3184-00  
S554-3184-01  
S554-3184-02



Dimensions are in inches [millimeters].  
Standard dimension tolerance is  $\pm 0.005$  [0.13] unless otherwise noted.

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