

# 10BASE-T LAN MAGNETICS

## AUI Isolation Transformers

LM00508

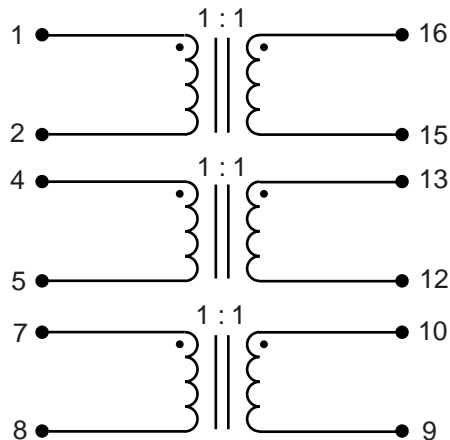
- Provide isolation protection for cable to AUI interface in 10Base-T applications
- Multiple OCL (inductance) values available
- Through hole and surface mount packaging available
- Operating temperature 0° to 70° C
- Minimum interwinding breakdown voltage of 1500 Vrms

### ELECTRICAL SPECIFICATIONS AT 25° C

Part Number	OCL μH ±20%	ET Constant Vμs min	Rise Time ns max	Interwinding Capacitance pF max	Leakage Inductance μH max	DCR Ω max
A553-0756-AB	75	2.1	3.0	10	0.20	0.20
A553-1006-AB	100	2.1	3.0	10	0.20	0.20
A553-1506-AB	150	3.0	3.5	12	0.25	0.30
S553-0756-AE	75	1.4	1.8	7	0.10	0.17
S553-1006-AE	100	1.5	1.8	8	0.10	0.20
S553-1506-AE	150	1.8	1.8	9	0.10	0.20

### SCHEMATIC

**A553-0756-AB**      **S553-0756-AE**  
**A553-1006-AB**      **S553-1006-AE**  
**A553-1506-AB**      **S553-1506-AE**

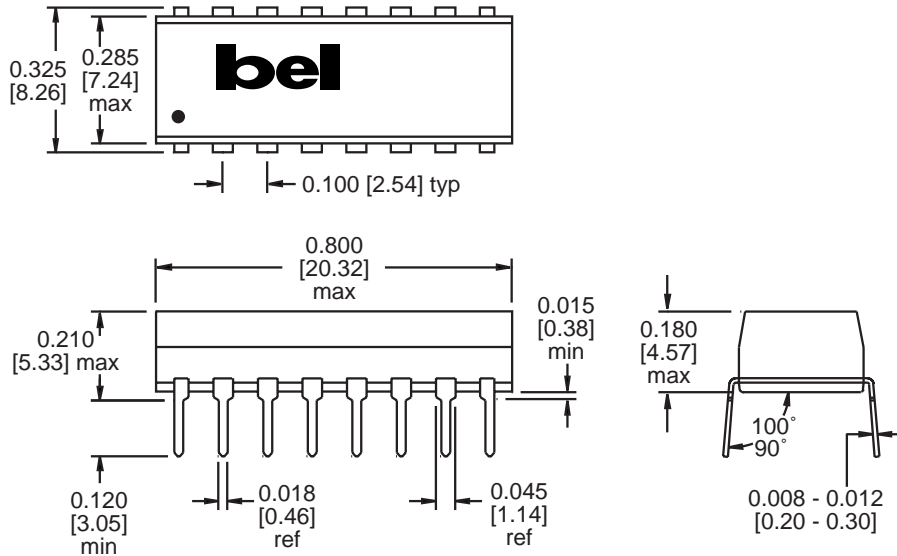


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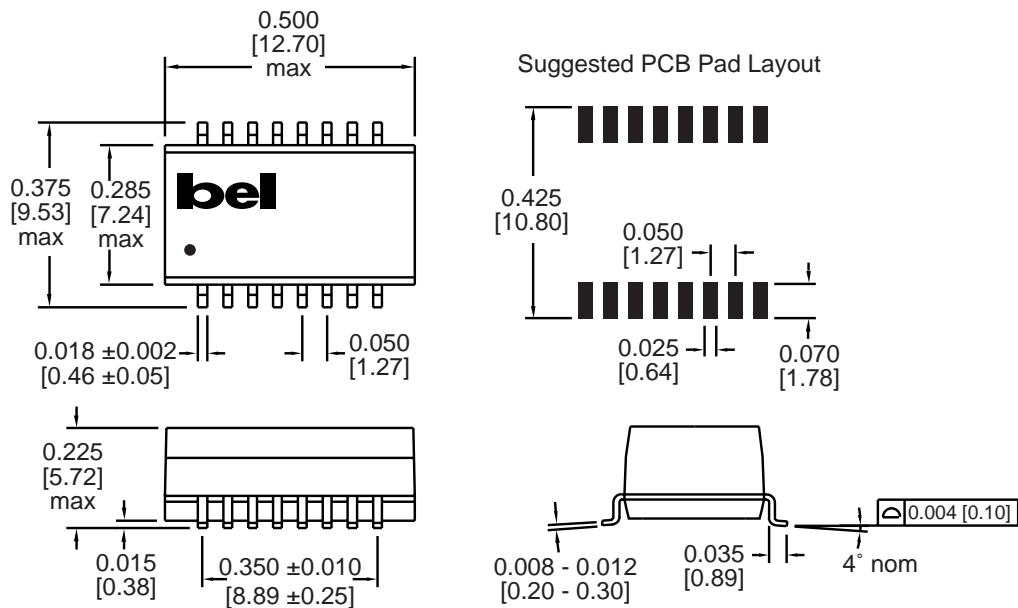
### MECHANICALS

A553-0756-AB  
A553-1006-AB  
A553-1506-AB



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

S553-0756-AE  
S553-1006-AE  
S553-1506-AE



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Standard dimension tolerance is  $\pm 0.005$  [0.13] unless otherwise noted.

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