

10BASE-T LAN MAGNETICS

AUI Isolation Transformers

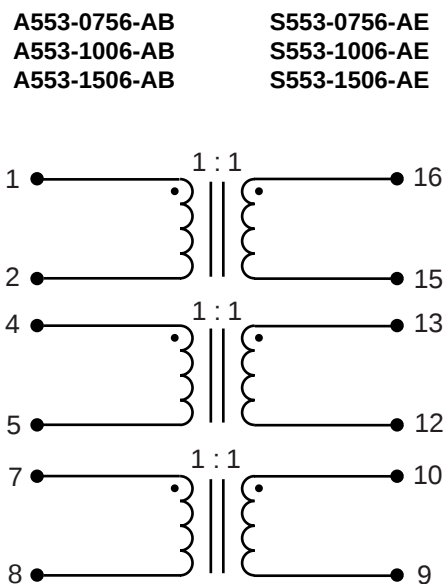
LM00508

- 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 $\mu\text{H} \pm 20\%$	ET Constant $\text{V}\mu\text{s min}$	Rise Time ns max	Interwinding Capacitance pF max	Leakage Inductance $\mu\text{H max}$	DCR $\Omega \text{ max}$
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



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MECHANICALS

[illegible]

The mechanical drawing of the BEL package includes the following views and dimensions:

- Top View:**
 - Overall width: 0.500 [12.70] max
 - Distance from top edge to center of top pins: 0.375 [9.53] max
 - Distance from top edge to center of bottom pins: 0.285 [7.24] max
 - Pin pitch: 0.018 ± 0.002 [0.46 ± 0.05]
 - Distance from center of bottom pins to right edge: 0.050 [1.27]
- Side View:**
 - Maximum height: 0.225 [5.72] max
 - Distance from bottom edge to top of package body: 0.015 [0.38]
 - Distance from bottom edge to center of pins: 0.350 ± 0.010 [8.89 ± 0.25]
- Suggested PCB Pad Layout:**
 - Distance from top edge to center of top pins: 0.425 [10.80]
 - Pin pitch: 0.050 [1.27]
 - Distance from center of bottom pins to right edge: 0.025 [0.64]
 - Distance from center of bottom pins to right edge: 0.070 [1.78]
 - Distance from bottom edge to top of package body: 0.008 - 0.012 [0.20 - 0.30]
 - Distance from bottom edge to center of pins: 0.035 [0.89]
 - Lead angle: 4° nom
 - Pad diameter: 0.004 [0.10]

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