

HIGH FREQUENCY MAGNETICS

T1/E1 Dual Surface Mount Transformer

TM01105

- Two transformers in one package
- Provides very high step-up ratio (coil B)
- Minimum Interwinding Breakdown Voltage of 1500 Vrms
- Operating Temperature Range: -40° to +85° C
- Meets IEC 695, 2-2 flammability requirements
- PWB Process Capability: Standard Printed Wiring Board assembly techniques, total-immersion cleaning
- Reliability testing: Shock, vibration, temperature cycling, temperature - humidity - bias

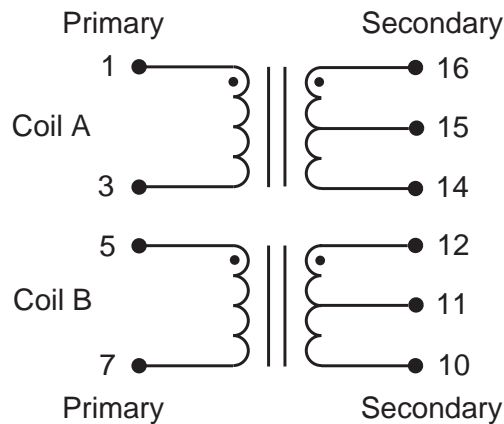
ELECTRICAL SPECIFICATIONS at 25° C

Part Number	Turns Ratio ±2%		Primary Inductance ¹ mH Min		DCR Ω max				Leakage Inductance ¹ μH max		Interwinding Capacitance pF max	
	Pri : Sec				Pri		Sec					
	Coil A	Coil B	Coil A	Coil B	Coil A	Coil B	Coil A	Coil B	Coil A	Coil B	Coil A	Coil B
S553-6500-B1	1 : 1.37 CT	1 : 2.96 CT	2.2	1.2	0.85	0.60	1.15	1.65	0.8	0.6	35	35

1. measured at 100 kHz, 0.02 Vrms

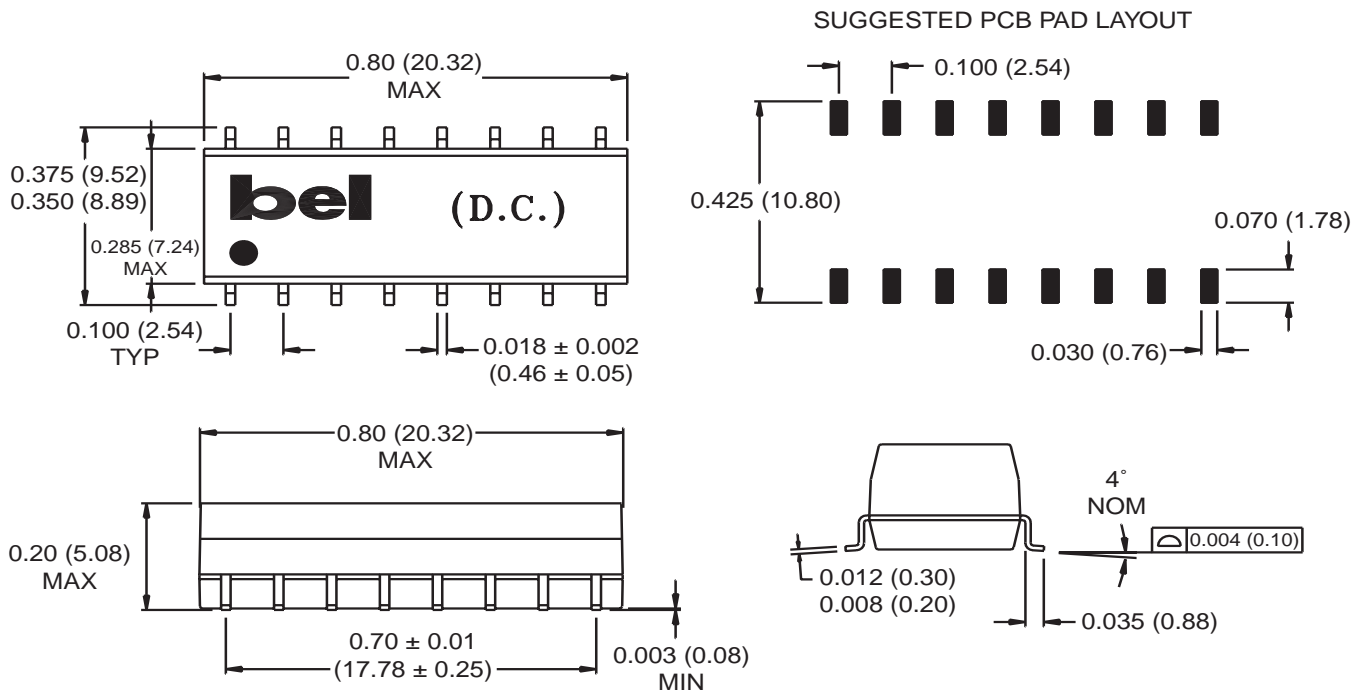
SCHEMATIC

S553-6500-B1



MECHANICAL

S553-6500-B1



Dimensions are in inches (millimeters)
Standard dimension tolerance is ± 0.010 (0.25) unless otherwise noted

Tape and Reel Packaging

32 mm wide by 16 mm pitch; 13 inch OD, 4 inch ID
500 transformers per reel, maximum
Meets ANSI/EIA 481-2 Carrier Tape Standards - JEDEC SO Package

CORPORATE

Bel Fuse Inc.
206 Van Vorst Street
Jersey City, NJ 07302
Tel 201-432-0463
Fax 201-432-9542
www.belfuse.com

FAR EAST

Bel Fuse Ltd.
8F / 8 Luk Hop Street
San Po Kong
Kowloon, Hong Kong
Tel 852-2328-5515
Fax 852-2352-3706
www.belfuse.com

EUROPE

Bel Fuse Europe Ltd.
Preston Technology Management Centre
Marsh Lane, Suite G7, Preston
Lancashire, PR1 8UD, U.K.
Tel 44-1772-556601
Fax 44-1772-888366
www.belfuse.com