

# HIGH FREQUENCY MAGNETICS

## T1/CEPT Single Line Interface Transformers

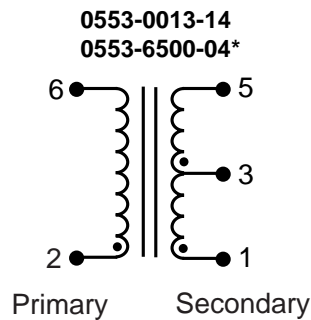
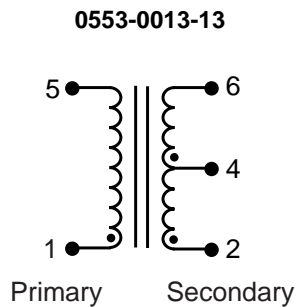
TM00110

- Designed to meet the stringent demands of high density designs
- Minimum interwinding breakdown voltage of 1500 Vrms

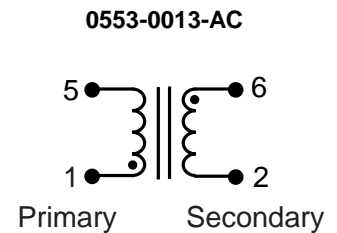
### ELECTRICAL SPECIFICATIONS at 25° C

Part Number	Turns Ratio ±5%	Primary Inductance mH min	Leakage Inductance μH max	Interwinding Capacitance pF max	DCR Ω max	
	Pri : Sec				Pri	Sec
0553-0013-13	1 : 1.36 CT	1.20	0.80	35	0.7	0.9
0553-0013-14	1 : 1.266 CT	1.50	0.80	35	0.80	0.92
0553-0013-AC	1 : 1	1.20	0.50	35	0.80	0.80
0553-0013-BC	1 CT : 1	1.20	0.50	35	0.80	0.80
0553-0013-HC	1 CT : 2 CT	1.20	0.80	35	1.8	1.80
0553-0013-IC	1 : 1 : 1	1.20	0.50	35	0.80	0.80
0553-0013-RC	1.15 CT : 1	1.20	0.50	35	0.80	0.80
0553-0013-SC	1 : 1 : 1.266	1.20	0.80	35	0.80	0.80
0553-6500-04	1 : 1 : 1.26	1.50	0.40	35	0.7	0.9

### SCHEMATICS

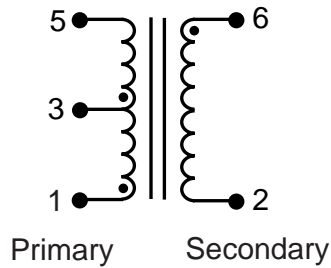


\* 1 : 1 (2 - 6 : 3 - 5)  
1 : 1.26 (2 - 6 : 1 - 5)

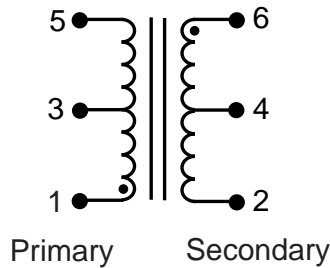


#### SCHEMATICS

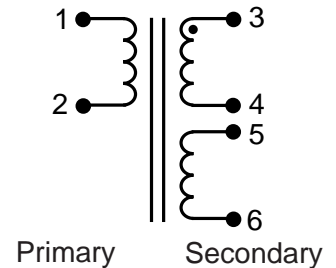
0553-0013-BC  
0553-0013-RC



0553-0013-HC

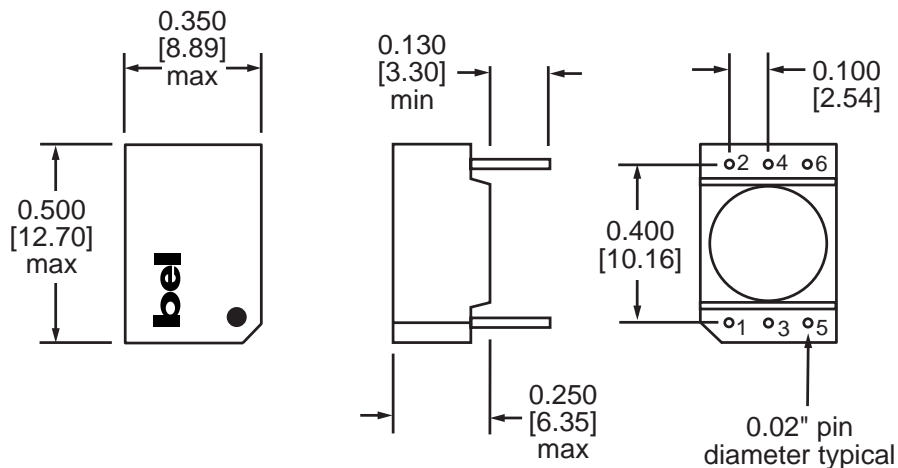


0553-0013-IC  
0553-0013-SC



#### MECHANICAL

0553-0013-13  
0553-0013-14  
0553-0013-AC  
0553-0013-BC  
0553-0013-HC  
0553-0013-IC  
0553-0013-RC  
0553-0013-SC  
0553-6500-04



Unless otherwise specified, dimensions are nominal and in inches [millimeters].

#### CORPORATE

**Bel Fuse Inc.**  
198 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