



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# HIGH FREQUENCY MAGNETICS

## T1/CEPT Single Line Interface Transformers

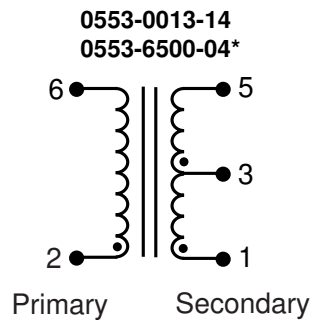
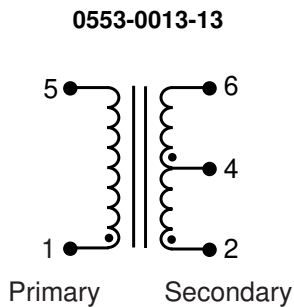
TM00110

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

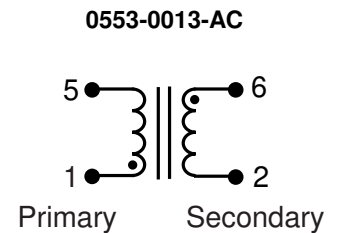
### ELECTRICAL SPECIFICATIONS at 25° C

| Part Number  | Turns Ratio<br>±5% | Primary<br>Inductance<br>mH min | Leakage<br>Inductance<br>μH max | Interwinding<br>Capacitance<br>pF max | DCR<br>Ω<br>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)

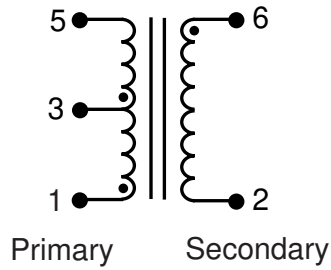


## HIGH FREQUENCY MAGNETICS

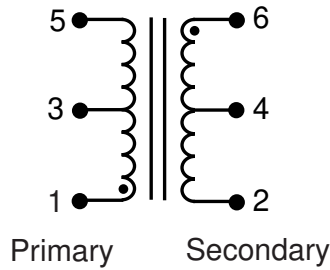
### T1/CEPT Single Line Interface Transformers

#### SCHEMATICS

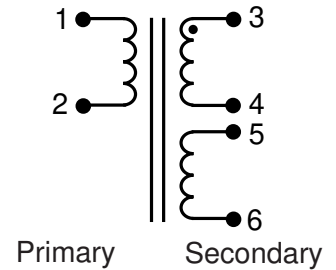
0553-0013-BC  
0553-0013-RC



0553-0013-HC

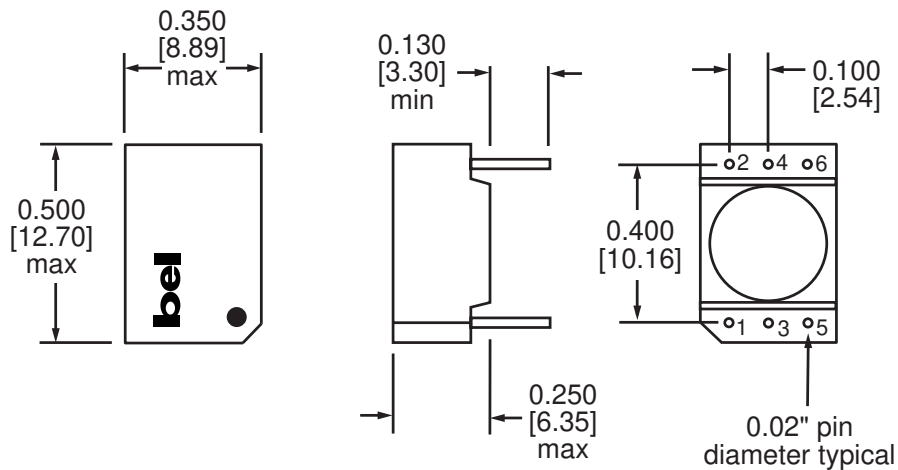


0553-0013-IC  
0553-0013-SC



#### 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