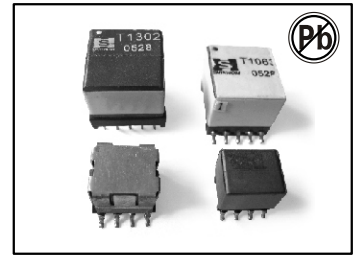


# TELECOM TRANSFORMERS

## EP SERIES



### FEATURES:

- Low interwind capacitance
- Low total harmonic distortion(THD)
- Compact size and Surface-mounted
- Designed to meet UL, CSA, VDE, BABT safety standard

### OPTIONS:

- Tape and reel is standard
- Bulk packaging available for Smaller quantities
- Custom design available
- Tolerance: 5% is standard, Tighter tolerance available

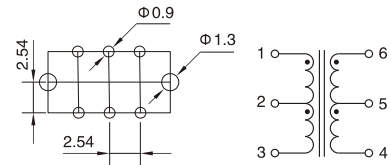
### COMMON APPLICATIONS:

- Modem
- Fax machine, Hub
- ISDN, ADSL, HDLSL, PABX
- Other telecommunication facilities etc
- Switching power supplies
- AC-DC, DC-DC converters

## ELECTRICAL CHARACTERISTICS

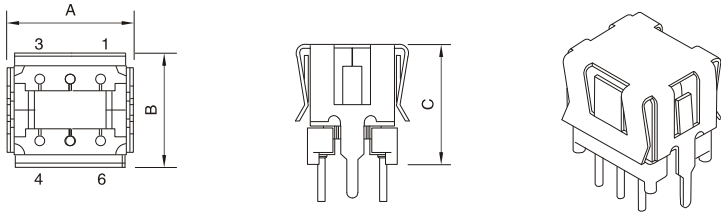
| Part No. | Inductance (10kHz/0.1V Typ) | Cs (max)        | Turn Ratio                  | DCR ( $\Omega$ max)         | THD (max) | Hi-pot (Pri-Sec) | Schematic |
|----------|-----------------------------|-----------------|-----------------------------|-----------------------------|-----------|------------------|-----------|
| EP7-1    | 2.0mH min (1-3)             | 27pF (pri-sec)  | 1.66:1(1-3:6-4)             | 0.8:0.7(1-3:6-4)            |           | 1250VAC          | A         |
| EP7-2    | 530 $\mu$ H $\pm$ 6% (6-4)  | 27pF (pri-sec)  | 1:1(1-3:6-4)                | 2.1:2.1(1-3:6-4)            | -54dB     | 1250VAC          | B         |
| EP10     | 1.75mH min (8-2)            | 100pF (pri-sec) | 1:0.653:0.184 (8-2:6-7:3-5) | 0.9:0.58:0.09 (8-2:6-7:3-5) |           | 500VDC           | C         |

## TECHNICAL INFORMATION

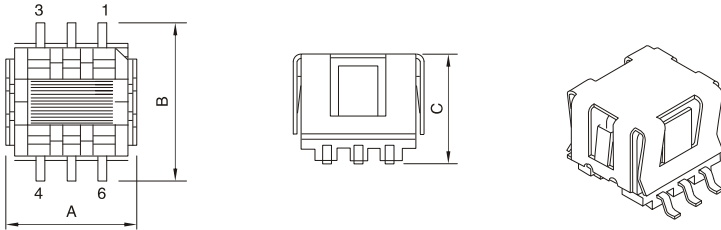


EP7-1 A

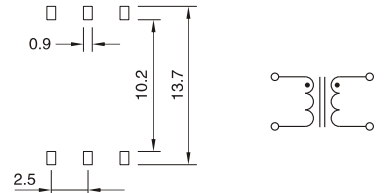
## PHYSICAL CHARACTERISTICS



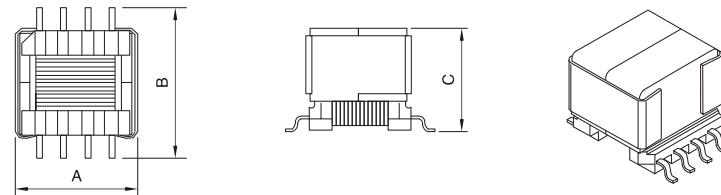
EP7-1



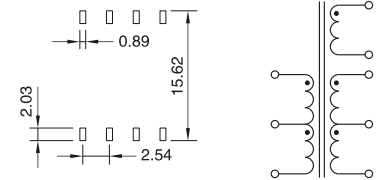
EP7-2



EP7-2 B



EP10

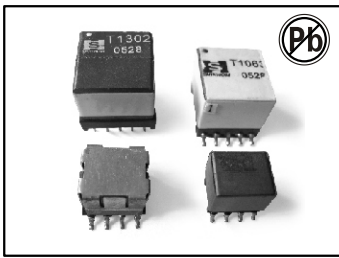


EP10 C

Dimensions(mm)

| Part No. | EP7-1   | EP7-2   | EP10    |
|----------|---------|---------|---------|
| A        | 11.2max | 11.2max | 13.8max |
| B        | 9.9max  | 13.7max | 15.2max |
| C        | 10.2max | 9.5max  | 11.6max |

Note: All Dimensions in mm



# TELECOM TRANSFORMERS EP SERIES

## FEATURES:

- Low interwind capacitance
- Low total harmonic distortion(THD)
- Compact size and Surface-mounted
- Designed to meet UL, CSA, VDE, BABT safety standard

## OPTIONS:

- Tape and reel is standard
- Bulk packaging available for Smaller quantities
- Custom design available
- Tolerance: 5% is standard, Tighter tolerance available

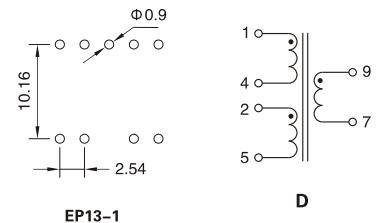
## COMMON APPLICATIONS:

- Modem
- Fax machine, Hub
- ISDN, ADSL, HDSL, PABX
- Other telecommunication facilities etc
- Switching power supplies
- AC-DC, DC-DC converters

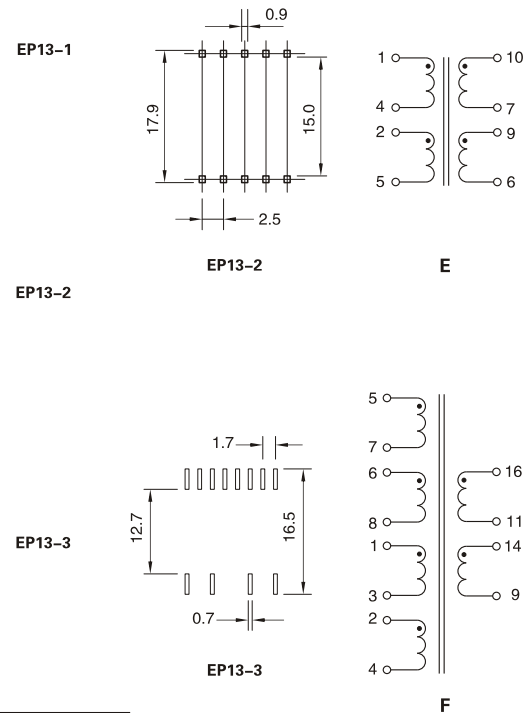
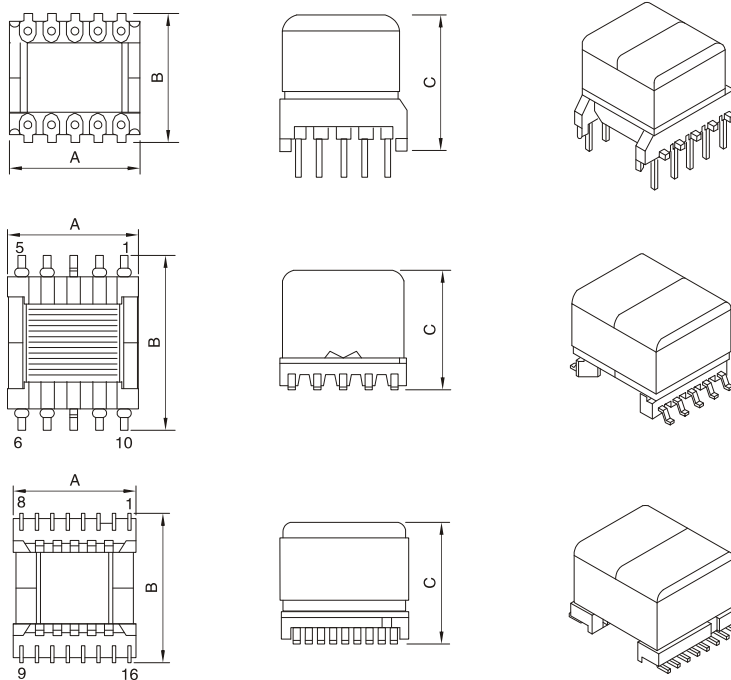
## ELECTRICAL CHARACTERISTICS

| Part No. | Inductance (10kHz/0.1V Typ)           | Cs (max)       | Turn Ratio                      | DCR( $\Omega$ max)            | THD (max) | Hi-pot (Pri-Sec) | Schematic |
|----------|---------------------------------------|----------------|---------------------------------|-------------------------------|-----------|------------------|-----------|
| EP13-1   | 2.0mH $\pm$ 10% (1-5 tie 2,4)         |                | 4:1(1-5:9-7 tie 2,4)            | 1.25:1.25:1.0 (1-4:2-5:9-7)   | -72dB     | 2050VAC          | D         |
| EP13-2   | 410 $\mu$ H $\pm$ 6% (1-5 tie 2,4)    |                | 2:1 (1-5:10-6 tie 2+4,7+9)      | 0.48:0.23 (1-4:10-7)          | -72dB     | 1875VAC          | E         |
| EP13-3   | 400 $\mu$ H $\pm$ 6% (16-9 tie 11,14) | 21pF (pri-sec) | 4.25:1 (16-9:5-8 tie 11+14,7+6) | 0.49:0.28:0.96 (14-9:5-7:1-3) | -68dB     | 1875VAC          | F         |

## TECHNICAL INFORMATION



## PHYSICAL CHARACTERISTICS



Dimensions(mm)

| Part No. | EP13-1  | EP13-2  | EP13-3  |
|----------|---------|---------|---------|
| A        | 14.2max | 13.6max | 14.0max |
| B        | 14.2max | 17.9max | 16.4max |
| C        | 13.0max | 12.4max | 12.6max |

Note: All Dimensions in mm