

## Features

- Designed to meet ANSI and ETSI requirements
- Designed to meet UL1950 and EN60950 supplementary insulation requirements for operating voltages up to 250 Vrms
- Excellent Total Harmonic Distortion (THD) performance
- Up to 100 mA DC current capability

- Operating temperature -40 °C to +85 °C
- Custom designs for other pinouts and dimensions are available
- Lead free version available (see How to Order)
- Lead free versions are RoHS compliant\*

## Applications

- Motorola MC03AX1456

# PT314 Series EP13 ADSL Line Transformers

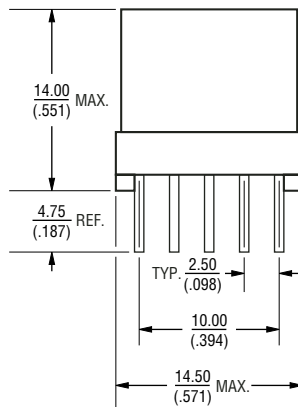
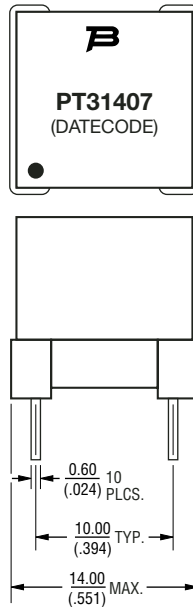
### Electrical Specifications

IC Manufacturer .....Motorola  
 Chipset .....MC03AX1456  
 Application .....CO & CPE  
 Turns Ratio Line: Chip  $\pm 3\%$   
 PT31407 .....1.2 : 1  
 PT31408 .....1 : 1.8  
 Line Side Inductance .....1.8 mH min.  
 Leakage Inductance .....10  $\mu$ H typ.  
 Line Side DCR .....1.26  $\Omega$  max.  
 Chip Side DCR  
 PT31407 .....1.2  $\Omega$  max.  
 PT31408 .....8  $\Omega$  max.  
 THD (dB typ. @ 100  $\Omega$ )  
 .....-80 dB @ 30 kHz  
 .....-60 dB @ 300 kHz  
 Insertion Loss (dB typ.)  
 .....0.5 dB @ 100 kHz  
 Longitudinal Balance (dB typ. @ 100  $\Omega$ )  
 .....50 dB @ 20 kHz - 100 MHz  
 HIPOT .....1500 Vrms min.

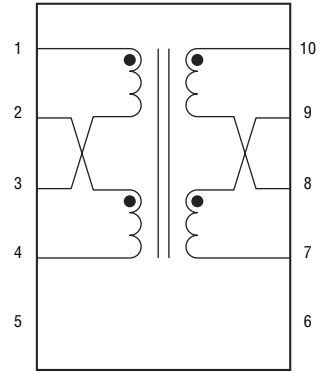
### Packaging Specifications

Tray .....60 pcs./tray

### Product Dimensions



### Electrical Schematic



### How to Order

Model PT3140x

Termination \_\_\_\_\_  
 Blank = Tin-lead  
 L = Tin only (lead free)

DIMENSIONS ARE:  $\frac{\text{MM}}{\text{(INCHES)}}$