

# U Interface Transformer (4B3T Coding Applications)

Designed for use with Siemens PEB 2090 / 20901

Turns Ratio (  $\pm 3\%$  ) (Line : Chip)

1.32 : 1

| PARAMETER                                                         | MIN. | MAX. | UNITS            |
|-------------------------------------------------------------------|------|------|------------------|
| Primary Inductance (Line Side)<br>Pins 1 to 5 with 2 & 4 shorted. | 7.23 | 8.16 | mH               |
| Primary DC Resistance                                             |      | 2.4  | ohms             |
| Secondary DC Resistance                                           |      | 2.7  | ohms             |
| Isolation (Hi-Pot)                                                | 2000 |      | V <sub>RMS</sub> |
| DC Bias                                                           |      | 60   | mA               |
| Return Loss 10KHz & 25 KHz                                        | 20   |      | dB               |

Flammability: Materials used in the production of these units meet requirements of UL94-VO and IEC 695-2-2 needle flame test.

*A Surface Mount Version of this part is available  
add suffix "G" to part number*

## Longitudinal Balance

5 KHz 20 dB min.  
20 KHz to 150 KHz 40 dB min.  
1 MHz 36 dB min.

## NOTE:

Operating Temp. Range -40°C to +85°C

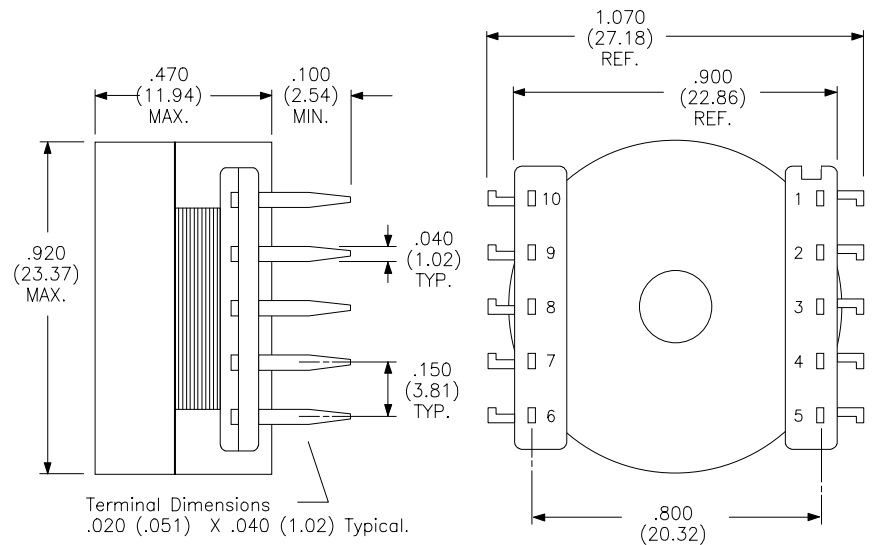
Primary is Line Side (Pins 1,2,4,5)  
Secondary is Chip Side (Pins 7,8,9)

## Surge Voltage Capability

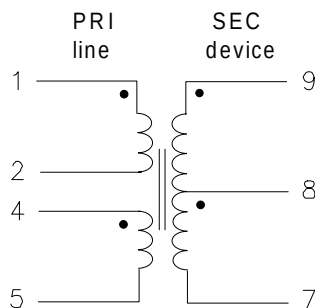
Metallic Voltage: 800 V peak, 10/560  $\mu$ S

Longitudinal Voltage: 2400 V peak, 10/700  $\mu$ S

## Physical Dimensions inches (mm)



## Schematic Diagram



Termination Numbers for Reference Only.

Notch Indicates Pin #1

RHOMBUS P/N: T-13215

CUST P/N:

NAME:

DATE: 7/2/96

SHEET: 1 of 1