

U Interface Transformer (2B1Q Coding Applications)

Designed for use with Motorola MC145472

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

2.00 : 1

PARAMETER	MIN.	MAX.	UNITS
Primary Inductance (Line Side) Pins 1 to 5 with 2 & 4 shorted.	25.4	28.6	mH
Primary DC Resistance		11.6	ohms
Secondary DC Resistance		6.4	ohms
Isolation (Hi-Pot)	3000		V _{RMS}
DC Bias		60	mA
Return Loss 10KHz & 25 KHz	20		dB
Longitudinal Balance (281 Hz to 40 KHz)	55		dB

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

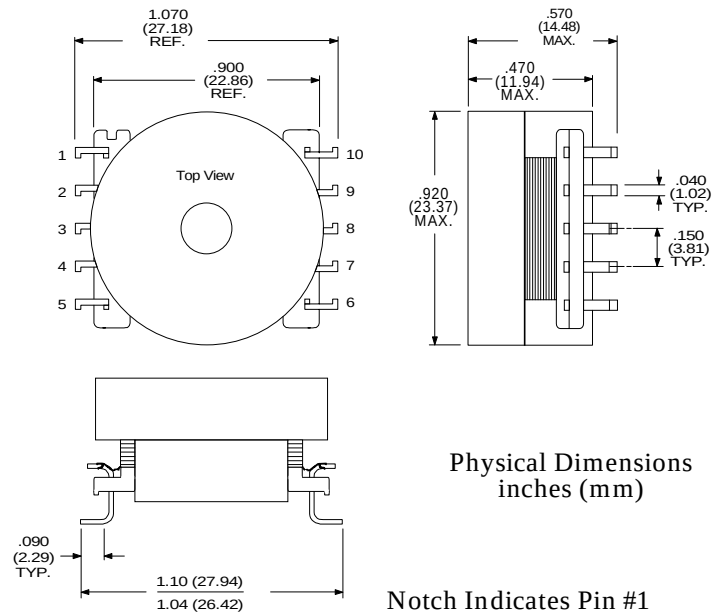
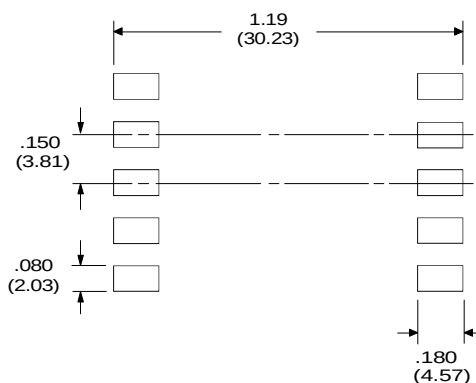
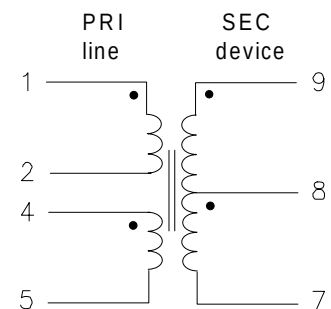
Metallic Voltage: 800 V peak, 10/560 μ S

Longitudinal Voltage: 2400 V peak, 10/700 μ S

REINFORCED INSULATION

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

Schematic Diagram



Physical Dimensions
inches (mm)

Notch Indicates Pin #1

RHOMBUS P/N: T-13223G

CUST P/N:

NAME:

DATE: 7/2/96

SHEET: 1 of 1