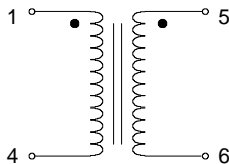


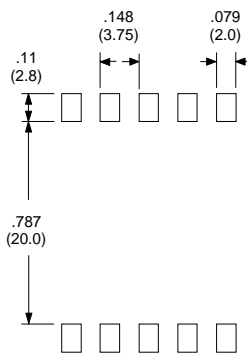
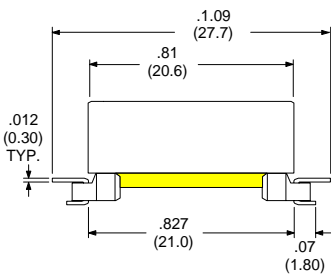
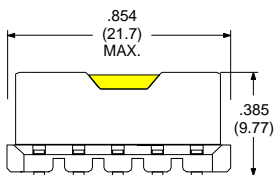
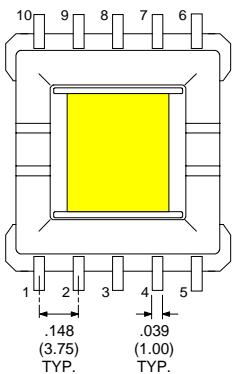
# COMMON MODE CHOKE

- ☞ The application of the Common Mode Choke is EMI suppression in ISDN U-interface. withstands power induction as specified in Figure 4 and Figure A.4 of ITU-T K.20.
  - ☞ The CMC is tested with pin 1 of the CMC as point A in the figures, and pin 5 as point B. Pins 6 and 10 of the CMC are connected to the earth.
  - ☞ Withstands power contact as specified in Figures 5 of ITU-T K.20. The CMC is tested with pin 1 of the CMC as point A in the figure, and pin 5 as point B. Pins 6 and 10 of the CMC are connected to the earth.
- Withstands surges as specified in The Bellcore TR-NWT001089 standard (items 6 and 10 of the table 4-2):
- 1 kV peak voltage, 100 A minimum peak current, 10/100  $\mu$ sec waveform, 25 times for each polarity, test connection A.
- 2.5 kV peak voltage, 500 A minimum peak current, 2/10  $\mu$ sec waveform, 10 times for each polarity, test connection B.
- The CMC is tested with pin 1 of the CMC as Tip in the figure, and pin 5 as Ring. Pins 6 and 10 of the CMC are connected to the earth.
- ☞ Passes 80 kbaud 2B1Q signals (differential) specified in ITU-T G.961.

## Schematic Diagram



Parameter	Min.	Typ.	Max.	Units
Inductance (1-10)		5.5		mH
Leakage Inductance		1.0		mH
DC Resistance (1-10) or (5-6)		0.8		W
Hi-Pot (1-10) to (5-6)	500			VDC
Current			100	mA
Frequency Range	100		50000	kHz



Suggested Solder Pad Layout

RHOMBUS P/N: <b>F-134</b>	
CUST P/N:	NAME:
DATE: <b>06/19/98</b>	SHEET: 1 of 1