

YCL

PI403607

T1/CEPT/E1/ISDN-PRI Transformer

Feature

- ◆ Designed to meet IR 235°C peak requirement .
- ◆ Eight transformers in a surface mount
- ◆ Isolation Voltage : 1500Vrms.
- package supports four transmit and four receive channels.

Specifications

Parameter	Condition		Min.	Typ	Max.	Unit
Turn ratio (TX)	Pin(40-39) : (1-3)			1:1.36CT±2%		
(RX)	Pin(4-5) : (36-38)			1:1CT±2%		
Primary Inductance	Pin(40-39)&(4-5)	@10 KHz , 10mV	1.2			mH
Leakage Inductance	Pin(40-39)&(4-5)	@10 KHz , 10mV			0.6	μH
Interwinding capacitance		@100 KHz , 100mV			35.0	pF
Isolation Voltage	primary to secondary	1 minute	1500			Vrms

Note : 1 : Above specification only for one port.

2 : TX Primary Pins : 24-25,29-30,34-35,39-40

RX Primary Pins : 4-5,9-10,14-15,19-20

Description :

The PI403607 provide the functionality of isolation transformer that have been specifically designed for implementation of primary rate access in ISDN.

Primary rate is used where the requirements for channel capacity exceed that of the basic rate.

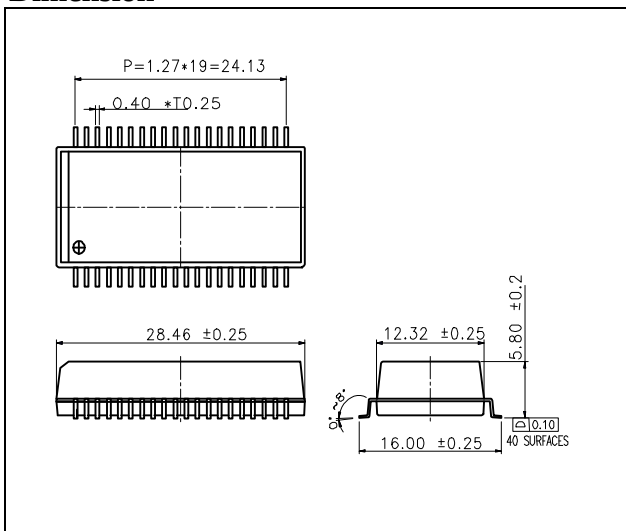
The primary rate access accommodates 23 duplex 64K bps ‘ B-channel’ for information , one duplex 64Kbps ‘ D-channel’ for signalize and control for North American system.

The primary rate access also provide 30 B-channel and one D-channel for Europe system.

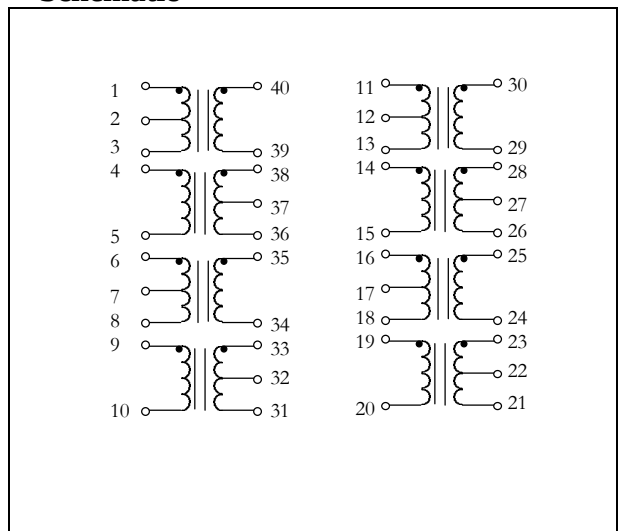
The technique of line coding are B8ZS (Bipolar with 8-zeros substitution) and HDB3(high density Bipolar 3 zero) for North American and Europe area respectively.

The data rate are 1.544Mbps and 2.048Mbps for North American and Europe system respectively .

Dimension

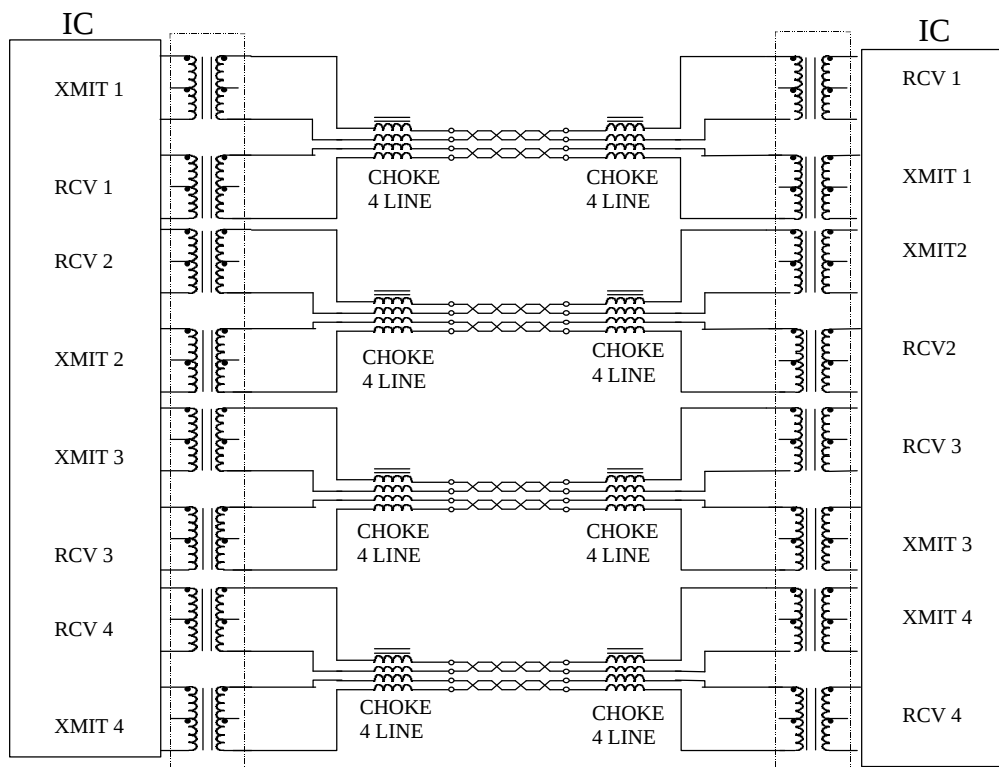


Schematic

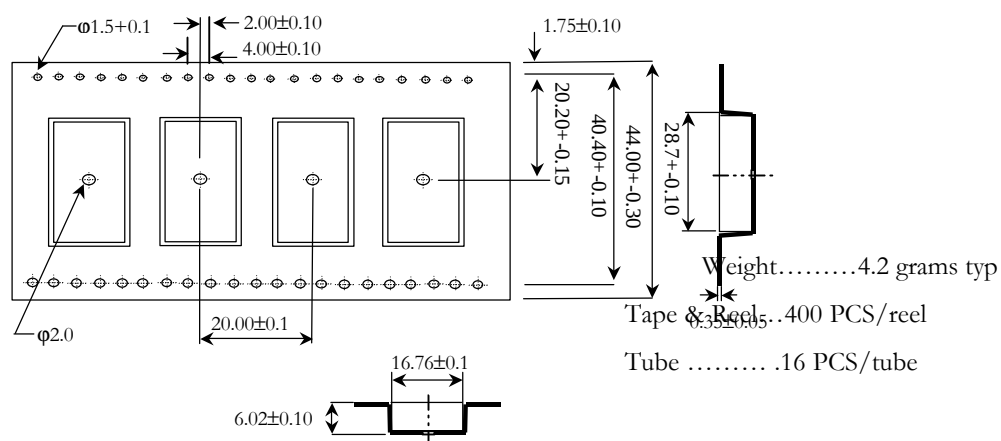


RDPS-PI022(R1/8/99)

Typical Application



Tape & Reel Information



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