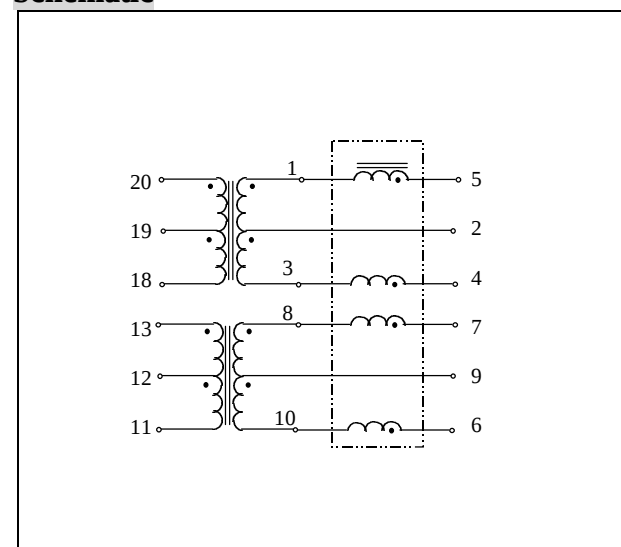


Feature

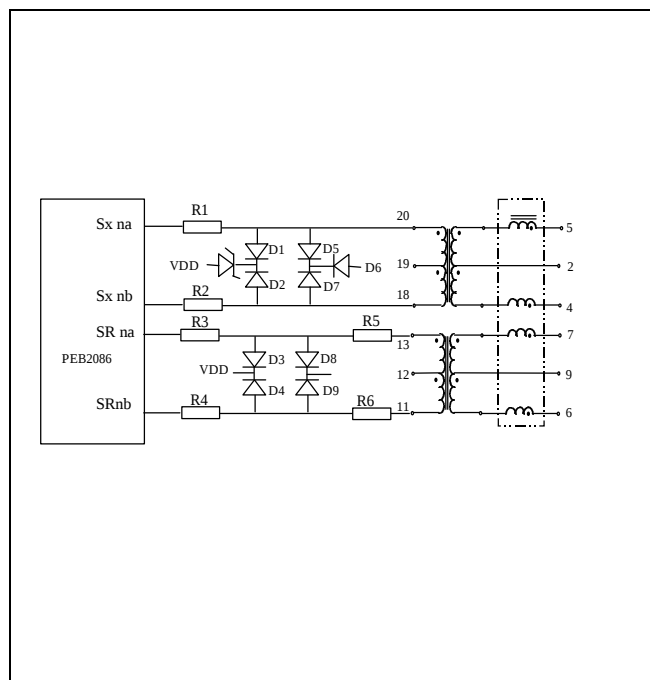
- ◆ Dual SMT package contains both transmit and receive transformers
- ◆ Designed for PEB2086 Chip .
- ◆ Designed to meet IR 235°C Peak Requirement.
- ◆ Isolation Voltage : 1500Vrms

Specifications

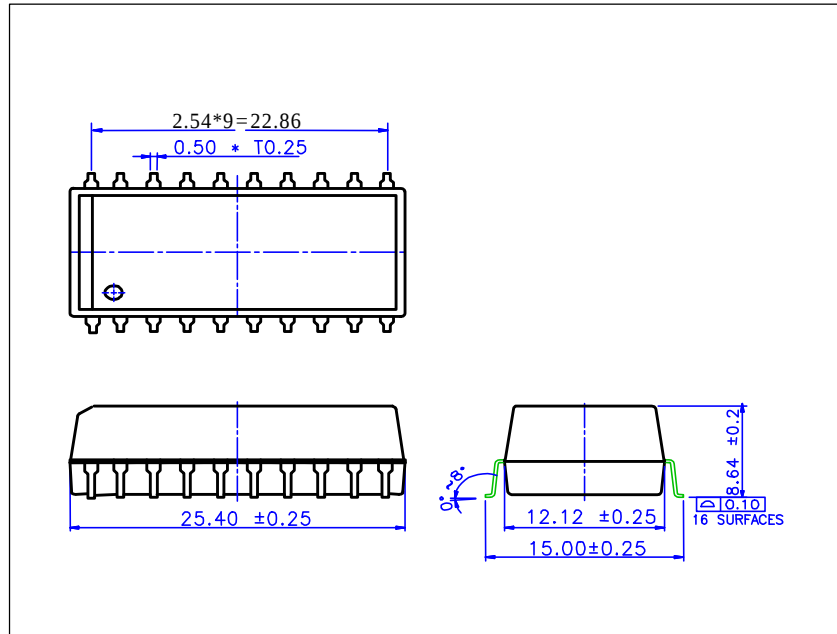
Parameter	Condition	Min.	Typ.	Max.	Unit
Turn Ratio	Pin(1-3):(18-20)		1CT:2CT		±2%
	Pin(8-10):(11-13)		1CT:2CT		±2%
Inductance	Pin(1-3) /(8-10)	30.0			mH
Leakage inductance	Pin(18-20) /(11-13)			10.0	μH
C _{ww}	Pin(1-3)to(18-20)			150	pF
C _d	Pin(1-3)/(8-10)			100	pF
DCR Sec.	Pin(20-18) /(11-13)			5.4+25%	Ω
DCR Pri.	Pin(1-3) / (8-10)			3.4+25%	Ω
Voltage Isolation		1500			Vrms
Choke	Pin(1-5)		4.7		mH
Choke DCR	Pin(1-5)			1.4	Ω
DC current				3	mA

Schematic**Description**

The PI203828 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-CHANNE’ 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 typical application configuration have been shown on figure 1.

Typical Application

Dimension



For more Information

Head Quarters

Taiwan :
Tel: 886-7-7458587
Fax: 886-7-7459120

Asia

Taiwan :
Tel: 886-2-27962878
Fax: 886-2-27912635
Email: dennis@ycl.com.tw

USA

San Diego :
Tel : (619)5363147, 5363148.
Fax: (619)5363152
Email: jamescudworth@ycl.com.tw
Email: stephensedio@ycl.com.tw

EUROPE

FRANCE :
Tel : (33)247443901
Fax : (33)247447806
Email: mab007@calva.net
Email: brbsarl@aol.com

YCL

MAR 1999 R0