YCL

PI163854

T1/E1 Transformers

Feature

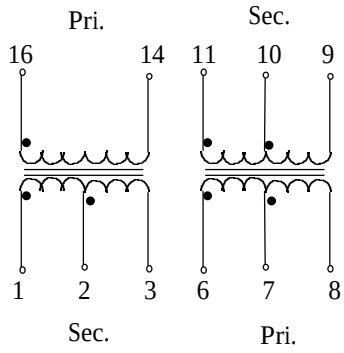
- ♦ Dual SMT package contains both transmit and receive transformers
- ♦ Isolation Voltage : 1500Vrms
- ♦ Operating temperature –40^{0}C to + 85^{0}C.
- ♦ Designed to meet IR 235^{0}C Peak Requirement.

Specifications @at 25^{0}C

Parameter	Condition	Min.	Typ.	Max	Unit
Turn Ratio	Pin(16-14):(1-3)		1 :1.5CT±5%		
	Pin(6-8):(11-9)		1 :2±2%		
Inductance	Pin(16-14) & (6-8)	1.2			mH
Leakage inductance	Pin(16-14) & (6-8)			0.60	µH
Cww	Pin(16-14)to(1-3)			30	pF
	Pin(6-8)to(9-11)			30	pF
DCR Pri.	Pin(16-14) & (6-8)			0.70	Ω
DCR Sec.	Pin(1-3) & (9-11)			1.00	Ω
Voltage Isolation		1500			Vrms

Note: test condition: Inductance: 10KHz/100mV
Leakage inductance :100KHz/100mV
Cww : 10KHz/100mV

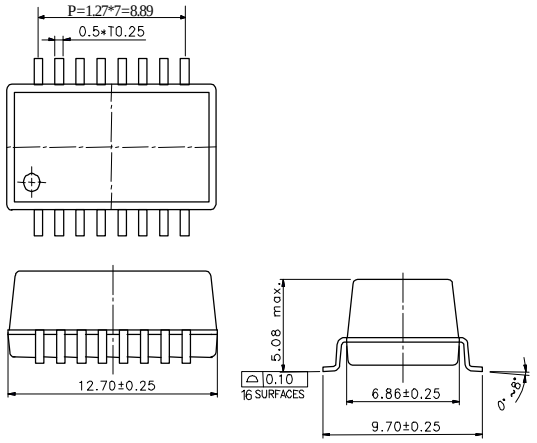
Schematic



Description

The PI163854 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 date rate are 1.544Mbps and 2.048Mbps for North American and Europe system respectively .

Dimension



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