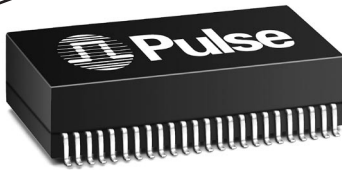


# T1/CEPT/ISDN-PRI Transformer

Quad Port SMT Transformer Module with Line Side Protection



- Four transmit transformers, four receive transformers and line side protection circuit in a surface mount package
- Matched to Level One's LXT384LE/BE Octal T1/E1 Transceiver
- Extended temperature range
- Patented "Interlock Base" construction for high reliability
- IC grade transfer-molded package withstands 235°C IR reflow temperature
- Minimum Isolation voltage: 1500 Vrms
- UL 1950 recognized

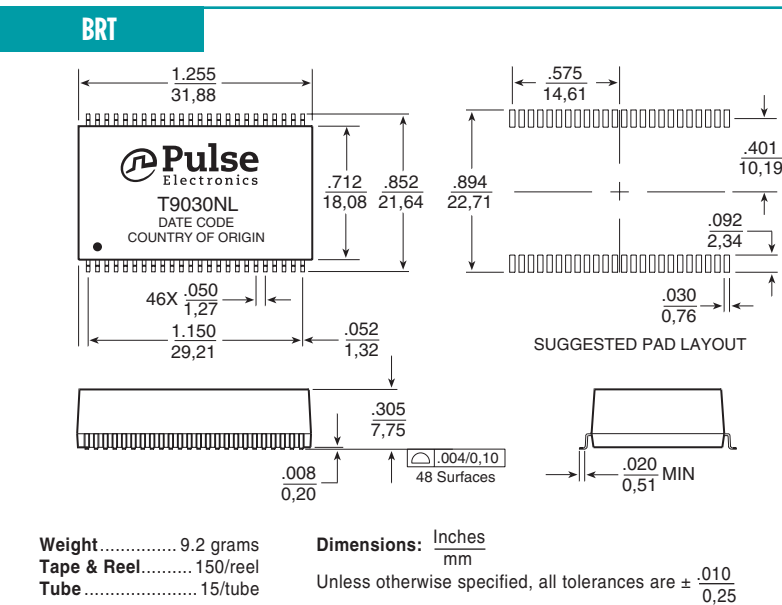
### Electrical Specifications @ 25°C – Operating Temperature -40°C to +85°C

Part Number	Turns Ratio <sup>1</sup> Pri:Sec (±2%)		OCL Line Side (mH MIN)	Cw/W (pF MAX)	Ll (µH MAX)	Package/ Schematic	Primary Pins	
	Transmit	Receive					Transmit	Receive
T9030NL	1CT:2	1CT:1	1.2	35 & 35	.50 & .80	BRT	4-6, 10-12, 16-18, 22-24	48-46, 42-40, 36-34, 30-28

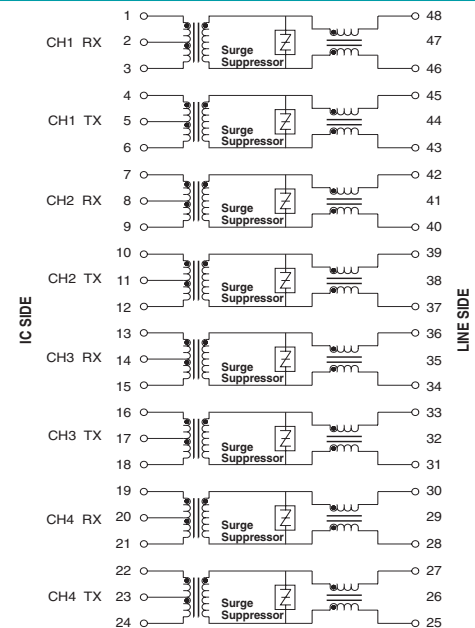
<sup>1</sup>For receive channel, to make a 1:2 ratio from a 1CT:1, use only one-half of the primary (1CT) winding.

**NOTE:** For extended temperature range transformers, OCL (Open Circuit Inductance for the primary winding) is specified at both -40°C and +25°C. At -40°C, OCL is 600 µH minimum. All other parameters are specified at +25°C.

### Mechanicals



### Schematics



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