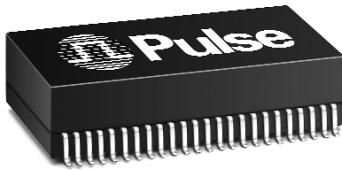


T1/CEPT/ISDN-PRI TRANSFORMER

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 ¹ (Pri:Sec ±2%)		OCL Line Side (mH MIN)	Cw/w (pF MAX)	LL (μH MAX)	Package/ Schematic	Primary Pins	
	Transmit	Receive					Transmit	Receive
T9030	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

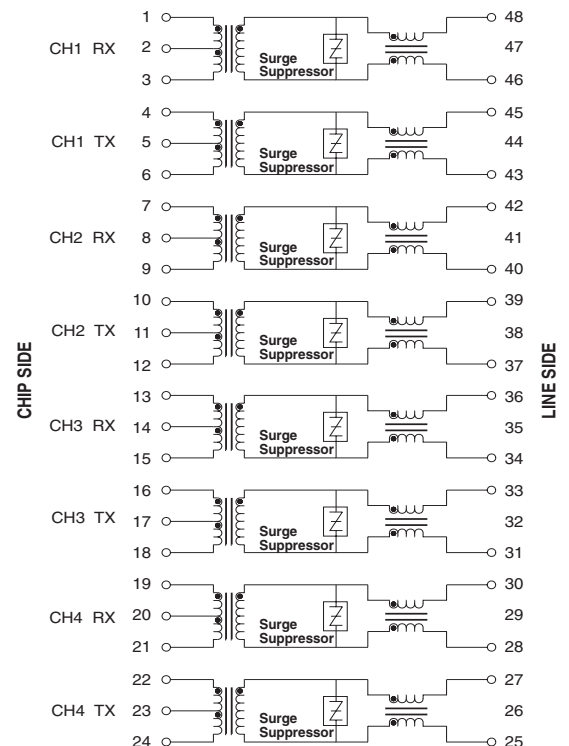
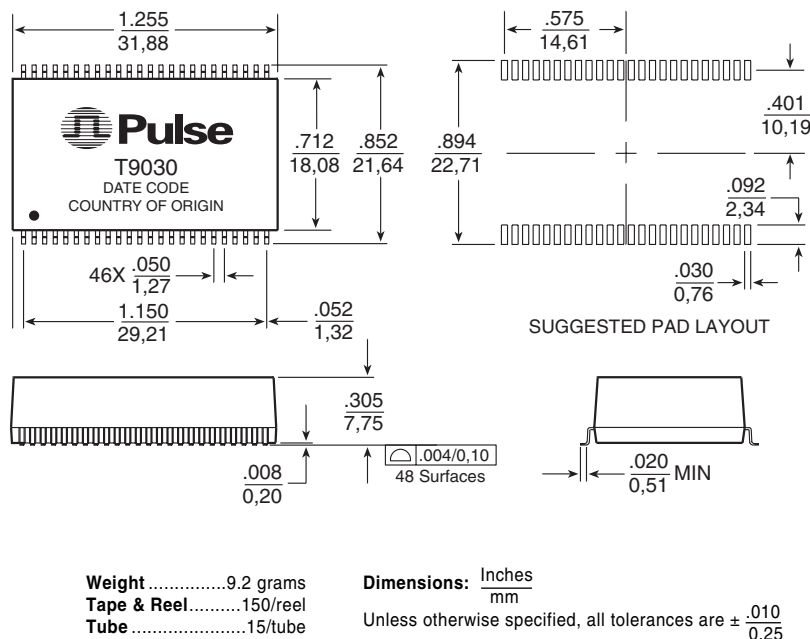
¹ For receive channel, to make a 1:2 ratio from a 1CT:1, use only one-half of the primary (1CT) winding.

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.

Mechanical

Schematic

BRT



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