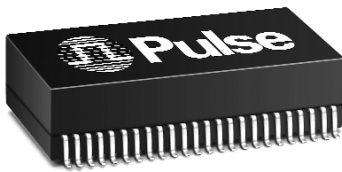


T1/CEPT/ISDN-PRI TRANSFORMER

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

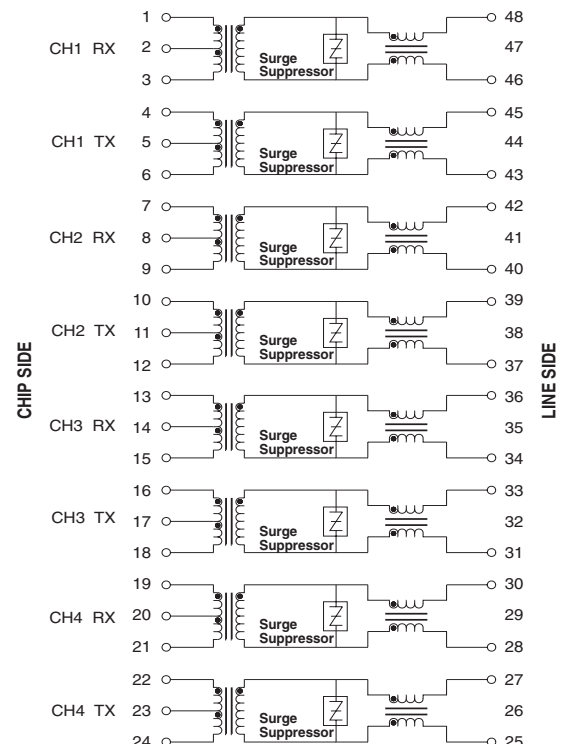
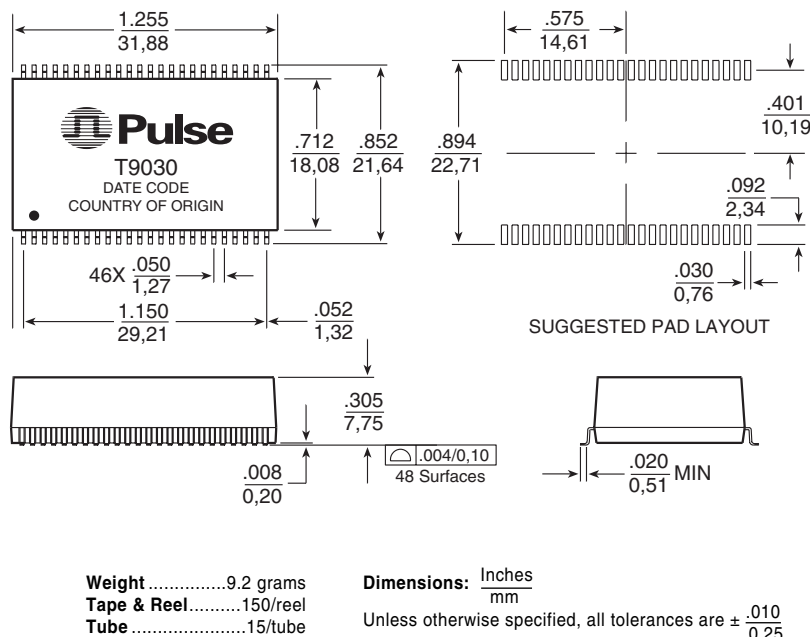
¹ For receive channel, to make a 1:2 ratio from a 1CT:1, use only one-half of the primary (1CT) winding.

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



For More Information:

Pulse Worldwide Headquarters

12220 World Trade Drive
 San Diego, CA 92128
 U.S.A.
www.pulseeng.com
 TEL: 858 674 8100
 FAX: 858 674 8262

Pulse Northern Europe

3 Huxley Road
 Surrey Research Park
 Guildford, Surrey GU2 5RE
 United Kingdom
 TEL: 44 1483 401700
 FAX: 44 1483 401701

Pulse Southern Europe

Zone Industrielle
 F-39270
 Orgelet
 France
 TEL: 33 3 84 35 04 04
 FAX: 33 3 84 25 46 41

Pulse China Headquarters

No. 1
 Industrial District
 Changan, Dongguan
 China
 TEL: 86 769 85538070
 FAX: 86 769 85538870

Pulse North China

Room 1503
 XinYin Building
 No. 888 YiShan Road
 Shanghai 200233
 China
 TEL: 86 21 54643211/2
 FAX: 86 21 54643210

Pulse South Asia

150 Kampong Ampat
 #07-01/02
 KA Centre
 Singapore 368324
 TEL: 65 6287 8998
 FAX: 65 6280 0080

Pulse North Asia

No. 26
 Kao Ching Road
 Yang Mei Chen
 Taoyuan Hsien
 Taiwan, R. O. C.
 TEL: 886 3 4641811
 FAX: 886 3 4641911

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