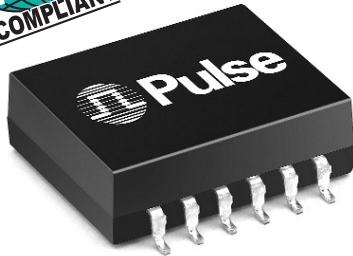


10/100BASE-TX SINGLE PORT TRANSFORMER MODULES

With Various Transmit Turns Ratios



- For RoHS part add suffix **NL**⁴
- Peak solder temperature rating per Table 5-2 in IPC/JEDEC J-STD-020C
- Compact symmetrical size facilitates chip shooter placement and reduces manufacturing time
- Meets IEEE 802.3 specification

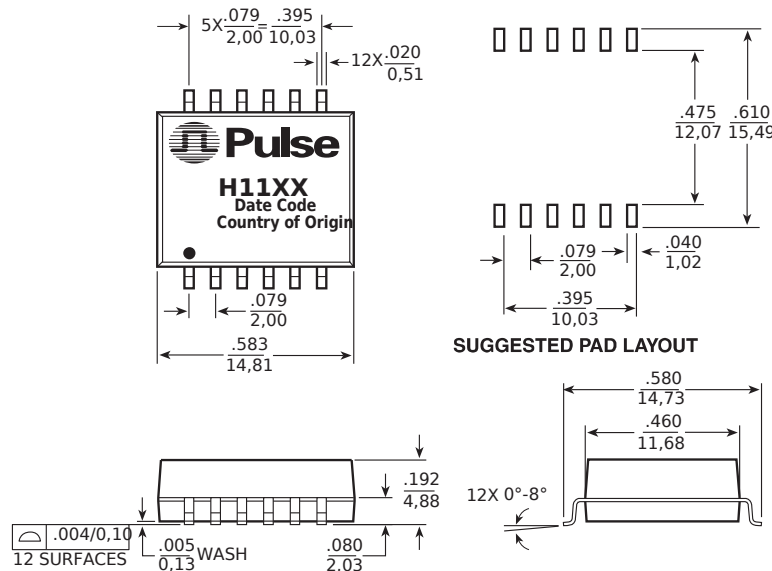
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number	RoHS	Turns Ratio Transmit	Insertion Loss (dB MAX)	Return Loss Transmit (dB MIN)				Differential to Common Mode Rejection (dB TYP)				Crosstalk (dB MIN)				Hipot (Vrms MIN)
			100kHz-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	30MHz	60MHz	100MHz	200MHz	1MHz	30MHz	60MHz	100MHz	
H1112	NL ^{3c}	1CT:1CT	1.2	-16	-14	-13	-12	-59	-49	-42	-37	-60	-40	-40	-35	1500
H1113	2, 3 ^c	1CT:1CT	1.2	-16	-14	-13	-12	-55	-45	-38	-33	-60	-40	-40	-35	1500
H1126	2, 3 ^c	1CT:1.414CT	1.2	-16	-14	-13	-12	-59	-49	-42	-37	-60	-40	-40	-35	1500

- For Tape & Reel packaging, add a "T" suffix at the end of the part number when ordering e.g. H1112T.
- Contact Pulse for RoHS compliant part availability.
- MSL=Moisture Sensitivity Level a=1 b=2 c=3 d=4
- Add suffix **NL** for RoHS compliant parts, e.g. H1112 changes to H1112NL or H1112NL T (for Tape & Reel).

Mechanical

H1112, H1113, H1126



Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

Weight 1.7 grams
Tape & Reel 350/reel
Tube 30/tube

USA 858 674 8100 • Germany 49 7032 7806 0 • Singapore 65 6287 8998 • Shanghai 86 21 32181071 • China 86 769 85538070 • Taiwan 886 3 4641811

10/100BASE-TX SINGLE PORT TRANSFORMER MODULES

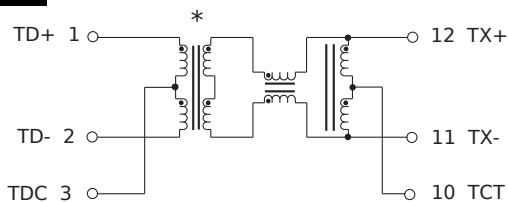
With Various Transmit Turns Ratios



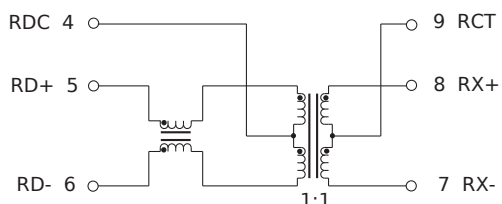
Schematics

H1112, H1126

TRANSMIT



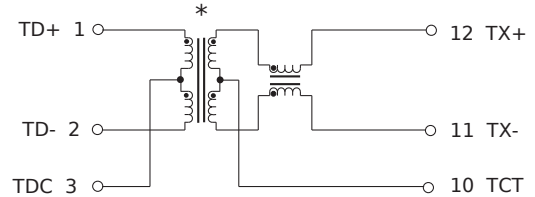
RECEIVE



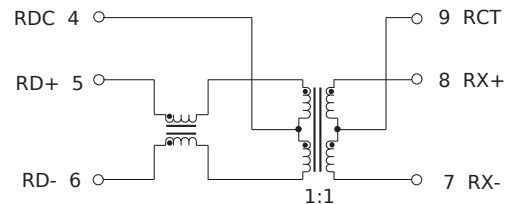
* Reference Electrical Specifications chart for turns ratio.

H1113

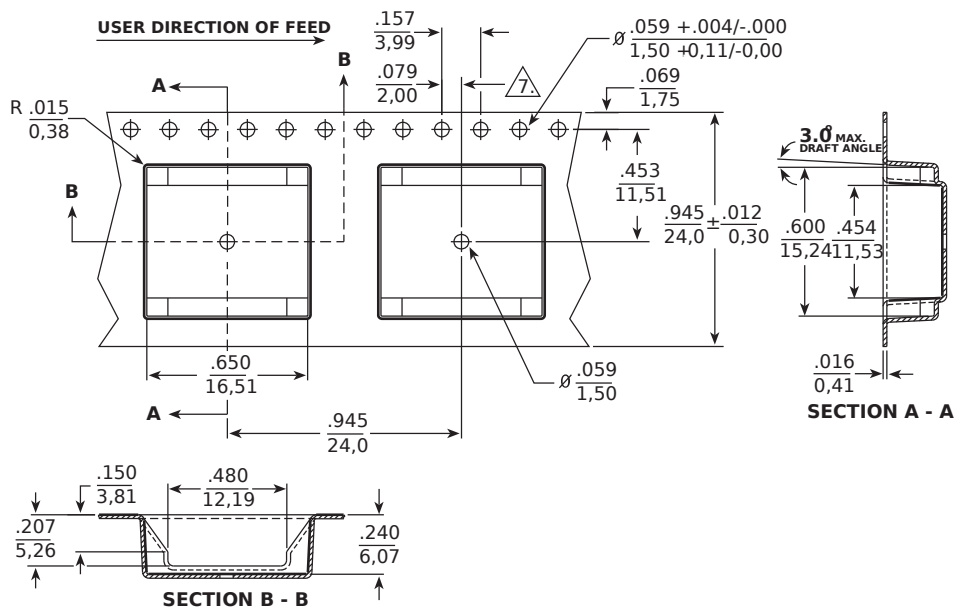
TRANSMIT



RECEIVE



Tape and Reel Specifications



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