NOTES: UNLESS OTHERWISE SPECIFIED

1.

NOTICE:	THIS IS A RoHS COMPLIANT AND HALOGEN FREE COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS ✓	

2. PLASTIC HEADER: THERMOPLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V–0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J–STD–002, IPC/EIA J–STD–003A.
4. OPERATING TEMPERATURE: –40°C TO +85°C
5. STORAGE TEMPERATURE: –50°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. ALL DIMENSION ARE SHOWN IN INCHES WITH THE FOLLOWING TOLERANCES APPLY:

   .XX = ±0.01
   .XXX = ±0.005

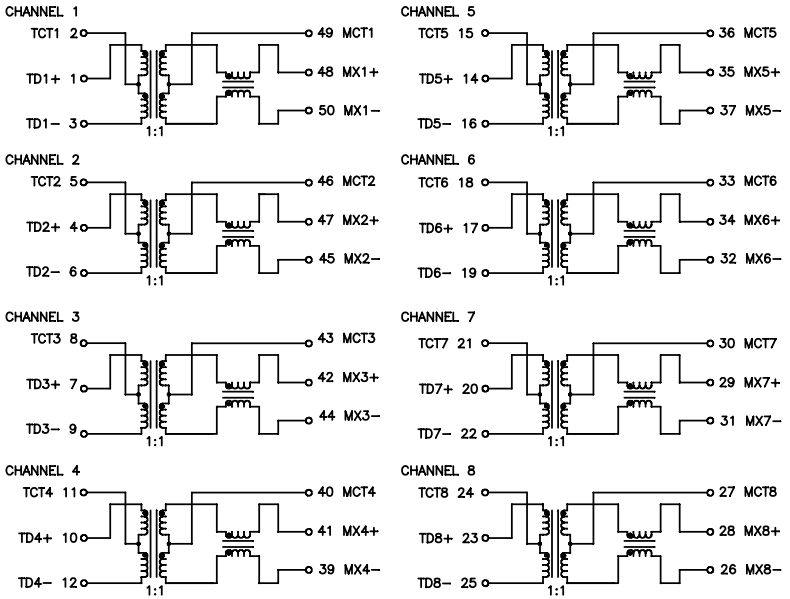


ELECTRICAL CHARACTERISTICS:

ELECTRICAL: @ +25°C

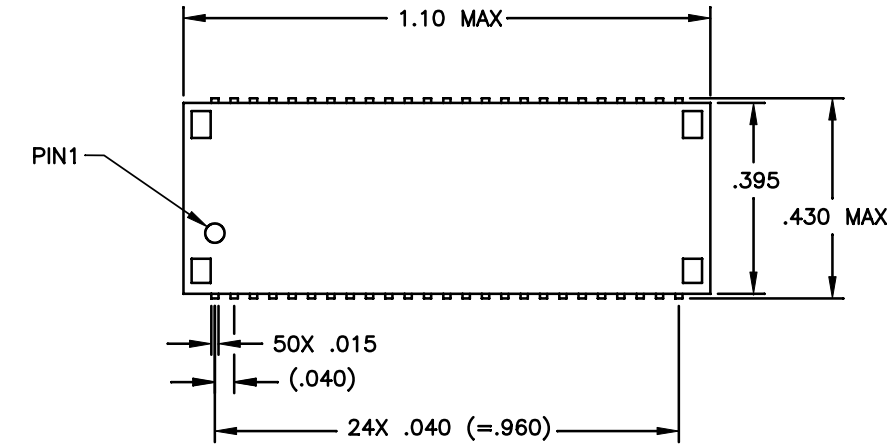
PARAMETER	SPECIFICATIONS	
INSERTION LOSS	100 KHz	1–125 MHz
	–1.2 dB MAX	$-0.2-0.002*\sqrt{f}^{1.4}$ dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1–40 MHz	40–100 MHz
	–16 dB MIN	$-10+20*\log_{10}(f/80\ \text{MHz})$ dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, –40°C, +85°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS)	
CROSSTALK, ADJACENT CHANNELS	1 MHz	10–100 MHz
	–50 dB MIN	$-55+22*\log_{10}(f/10)$ dB MIN
COMMON MODE REJECTION RATIO	2 MHz	30–200 MHz
	–50 dB MIN	$-15+20*\log_{10}(f/200)$ dB MIN
DC RESISTANCE, 1/2 WINDING	.65 OHMS MAX	
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)	
DC CURRENT/VOLTAGE RATING – PSE PINS	350 mA, @ 57 V (CONTINUOUS)	
INPUT – OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

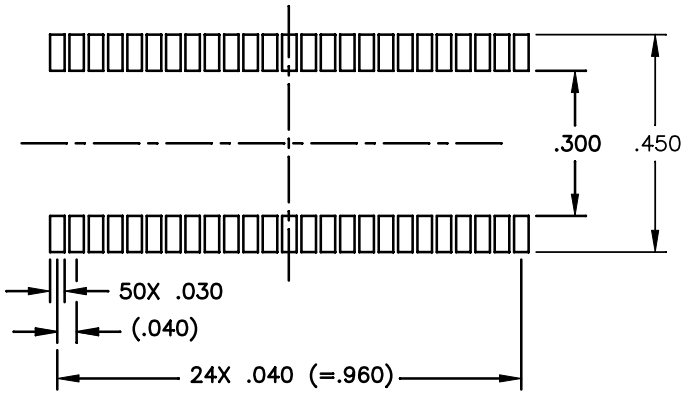
NOTE: f IS FREQUENCY IN MHz.



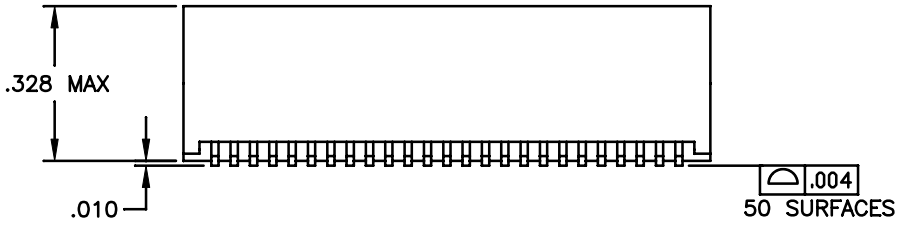
© Copyright, 2013. Pulse Electronics, Inc. All rights reserved. Drawing specifications subject to change without notice. (08/7/2013)

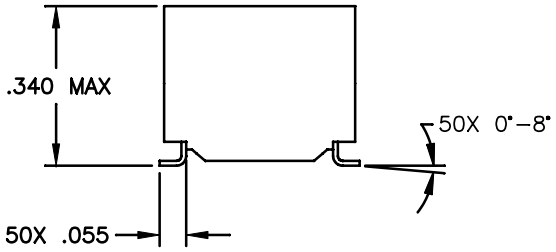
PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	MDL,DUAL,1GD,1:1,SMT	PS–2749.001–A	1	HX5020FNL	MP1





SUGGESTED LAND PATTERN





© Copyright, 2013. Pulse Electronics Corp. All rights reserved. Drawing specifications subject to change without notice. (08/7/13)

PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	MDL,DUAL,1GD,1:1,SMT	PS–2749.001–A	2	HX5020FNL	MP1

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Pulse:
HX5020FNL