

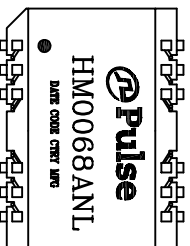


THE DATASHEET OF HM0068ANL



WITH FLAMMABILITY

-125°C



AT 245°C REFLOW PROFILE

MOISTURE SENSITIVE

MINIMUM THROUGH REFLOW SOLDER

ADD A "T" SUFFIX

(L BECOMES HXXXXXXXXNLT).



FINAL OUTLINE

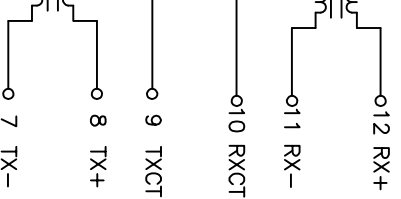
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QA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HM0068ANL-10	PS-2288.001-A	1 OF 3	HM0068ANL	E

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

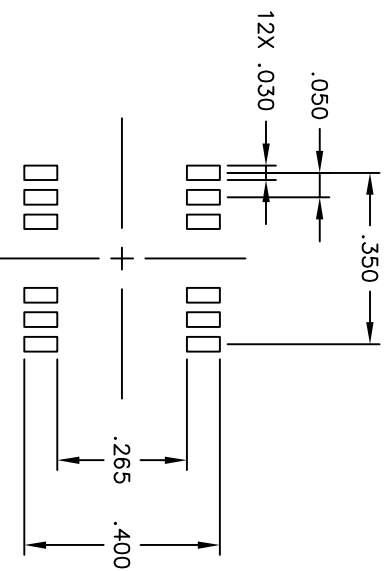
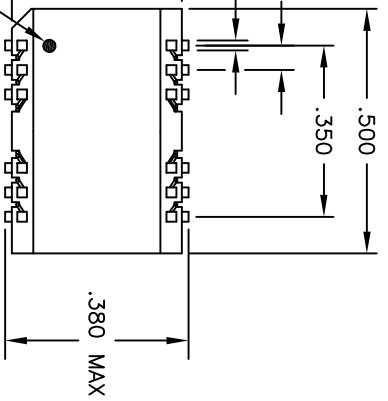
PARAMETER	SPECIFICATIONS	
OPERATING TEMPERATURE	-40°C TO +105°C	
TURNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1-125 MHz
	-1.2 DB MAX	-0.2-0.002*f ^{1.4} DB MAX
RETURN LOSS	.1-40 MHz	40-100 MHz
(Z OUT = 100 OHM ±15%)	-16 DB MIN	-10+20*LOG ₁₀ (f/80 MHz) DB MIN
INDUCTANCE (OCL) (MEDIA SIDE)	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
	2 MHz	30-200 MHz
COMMON MODE REJECTION RATIO	-42 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)	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

NOTE: f IS FREQUENCY IN MHZ.

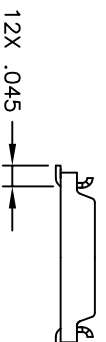
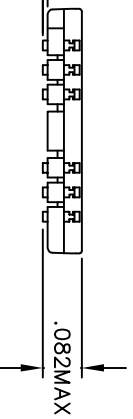


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SUGGESTED LAND PATTERN



(SEE LOWEST
SITTING PLANE)

DRAWING


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PS DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HM0068ANL-10	PS-2288.001-A	3 OF 3	HM0068ANL	E

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