



# THE DATASHEET OF H5008FNL



) WITH FLAMMABILITY

) +125°C

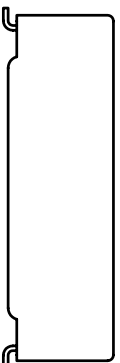
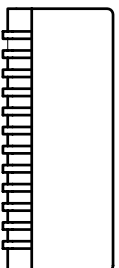
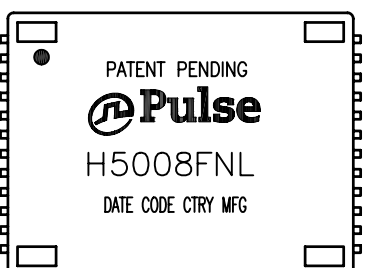
ITY AT 245°C REFLOW PROFILE

O MOISTURE SENSITIVE

MAXIMUM THROUGH REFLOW SOLDER

NG ADD A "T" SUFFIX

NL BECOMES H5008FNLT).



FINAL OUTLINE

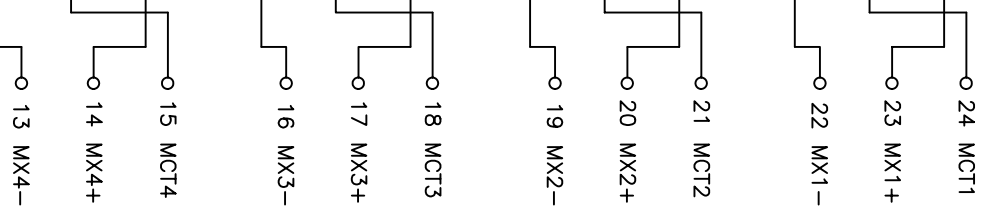
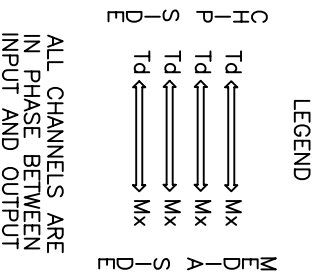
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ITLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
H5008FNL-10	PS-2748.001-D	1 OF 3	H5008FNL	A

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

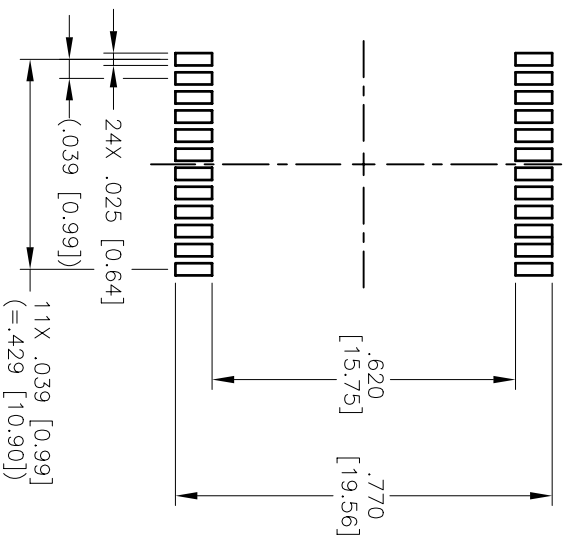
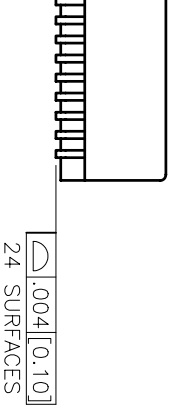
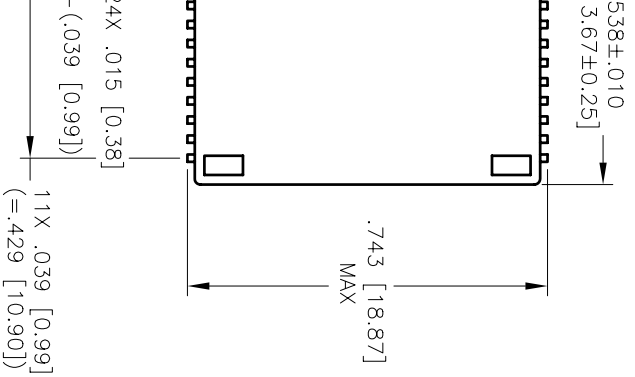
PARAMETER	SPECIFICATIONS	
OPERATING TEMP	0°C - 70°C	
TURNS RATIO	1.00 ± 2%	
POLARITY	100 KHz	PER SCHEMATIC 1-125 MHz
	-1.2 DB MAX	-0.2-0.002* $f^{1.4}$ DB MAX
INSERTION LOSS	.1-40 MHz	40-100 MHz
	-16 DB MIN	-10+20*LOG <sub>10</sub> (f/80 MHz) DB MIN
RETURN LOSS (Z OUT = 100 OHM ±15%)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS) (MEDIA SIDE, 0-70°C)	
INDUCTANCE (OCL) (MEDIA SIDE, 0-70°C)	1 MHz	10-100 MHz
	-50 DB MIN	-55+22*LOG <sub>10</sub> (f/10) DB MIN
CROSSTALK ADJACENT CHANNELS	2 MHz	30-200 MHz
	-50 DB MIN	-15+20*LOG <sub>10</sub> (f/200) DB MIN
COMMON MODE REJECTION RATIO	.65 OHMS MAX	
DC RESISTANCE, 1/2 WINDING	±.065 OHMS MAX (CENTER TAP SYMMETRY)	
DC RESISTANCE BALANCE	1500 VRMS MIN @ 60 SECONDS	
INPUT - OUTPUT ISOLATION		

NOTE: f IS FREQUENCY IN MHZ.

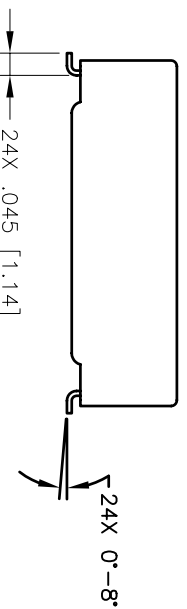


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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
50008FNL-10	PS-2748.001-D	2 OF 3	H5008FNL	A



SUGGESTED LAND PATTERN





WITH THE FOLLOWING  
REFERENCE ONLY.

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ITLA DRAWING 15008FNL-10	PS DRAWING PS-2748.001-D	SHEET 3 OF 3	PART NO. H5008FNL	DATASHEET REV. A
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