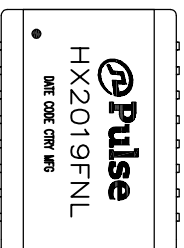




# THE DATASHEET OF HX2019FNL



SERIAL  
 V-0 OR BETTER.  
 ) +125°C



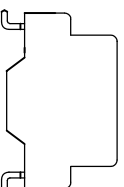
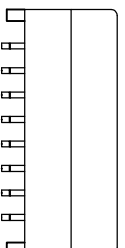
ITY AT 245°C REFLOW PROFILE

O MOISTURE SENSITIVE

MAXIMUM THROUGH REFLOW SOLDER

NG ADD A "T" SUFFIX

FNLT BECOMES HX2019FNLT).



FINAL OUTLINE

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX2019FNLT-11	PS-2005.002-D	1 OF 3	HX2019FNLT	B

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ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHERWISE SPECIFIED  
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	-40°C TO +85°C	
TURNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHZ	1-125 MHZ
	-1.2 DB MAX	-0.2-0.002*f <sup>1.4</sup> DB MAX
RETURN LOSS, 1000BT (Z OUT = 100 OHM ±15%)	.1-30 MHZ	30-60 MHZ
	-16 DB MIN	-10+20*LOG <sub>10</sub> (f/60 MHZ) DB MIN
INDUCTANCE (OCL) (MEDIA SIDE, -40°C TO +85°C)	350 uH MIN*	(MEASURED AT 100 KHZ, 100 mV <sub>RMS</sub> ) (AND WITH 8 mA DC BIAS)
	1 MHZ	10-100 MHZ
CROSSTALK, ADJACENT CHANNELS	-50 DB MIN	-55+22*LOG <sub>10</sub> (f/10) DB MIN
COMMON MODE REJECTION RATIO	2 MHZ	30-200 MHZ
	-45 DB MIN	-7+28*LOG <sub>10</sub> (f/200) DB MIN
DC RESISTANCE, 1/2 WINDING	.75 OHMS MAX	
DC CURRENT/VOLTAGE, RATING - PSE PINS	350 mA MAX, @ 57 V (CONTINUOUS)	
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN AT 60 SECONDS	

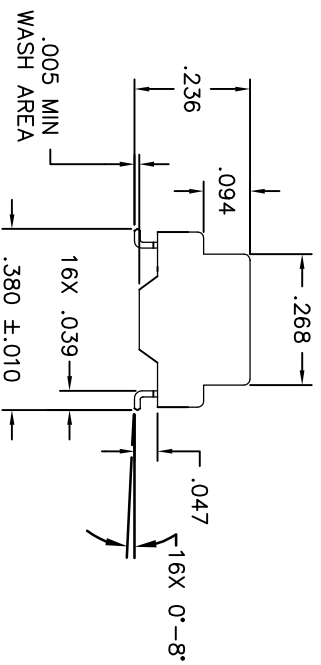
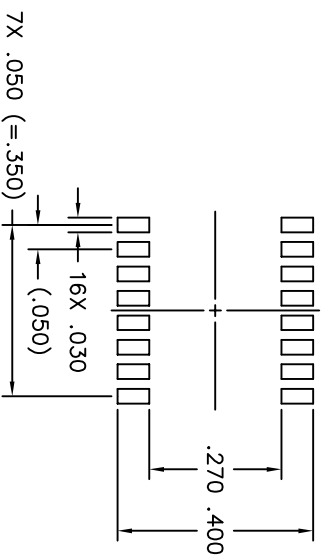
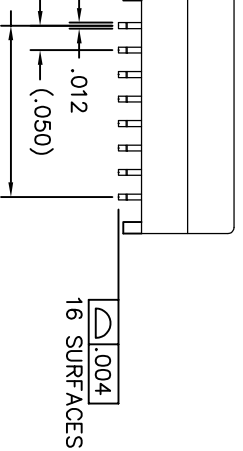
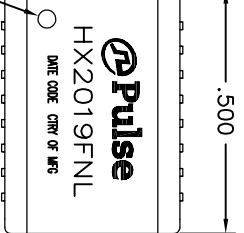
NOTES: f IS FREQUENCY IN MHZ.

\* = 325 uH AT -40°C



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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX2019FNL-11	PS-2005.002-D	2 OF 3	HX2019FNL	B



LOWING TOLERANCES:



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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX2019FNL-11	PS-2005.002-D	3 OF 3	HX2019FNL	B

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