



THE DATASHEET OF HM5004ENL



0 +125°C

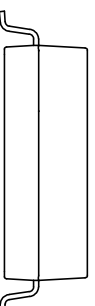
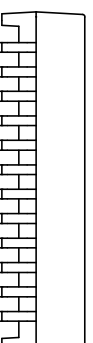
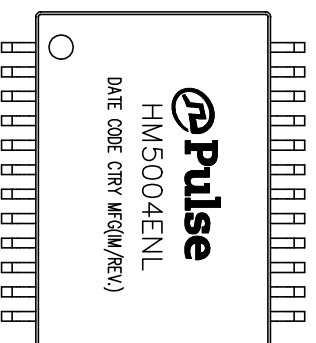
LITY AT 245°C REFLOW PROFILE

MOISTURE SENSITIVE

MAXIMUM THROUGH REFLOW SOLDER

NG ADD A "T" SUFFIX

XXNL BECOMES HXXXXXXXXNL(T).



FINAL OUTLINE

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HM5004ENL-P2	PS-2228.001-C	1 OF 3	HM5004ENL	B

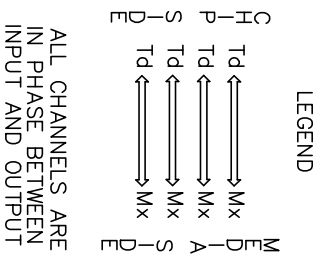
SSEELECTRONICS.COM(Asio) PHONE:USA: 858 674 8100, GERMANY: 49 7032 78060, SINGAPORE: 65 6287 8998, SHANGHAI: 86 21 62787060, TAIWAN: 886 3 4356768

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

PARAMETER	SPECIFICATIONS	
QUALIFICATION	AEC-Q200 (PENDING)	
OPERATING TEMP	-40°C TO +105°C	
TURNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
▽ INSERTION LOSS	100 KHZ -1.2 DB MAX	1-125 MHZ -0.2-0.002*f ^{1.4} DB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1-40 MHZ -16 DB MIN	40-100 MHZ -10+20*LOG ₁₀ (f/80 MHZ) DB MIN
▽ INDUCTANCE (OCL) (MEDIA SIDE, -40°C~+105°C)	350 UH MIN 1 MHZ	(MEASURED AT 100 KHZ, 100 mVRMS) (AND WITH 8 mA DC BIAS)
CROSSTALK, ADJACENT CHANNELS	-50 DB MIN	-55+22*LOG ₁₀ (f/10) DB MIN
	2 MHZ	30-200 MHZ
COMMON MODE REJECTION RATIO	-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)	
▽ INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

NOTE: 1. f IS FREQUENCY IN MHZ.

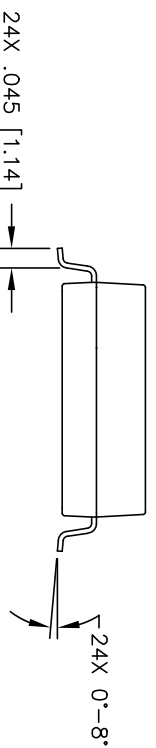
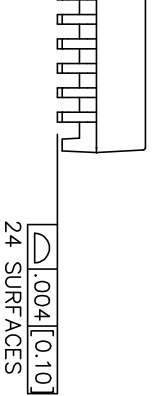
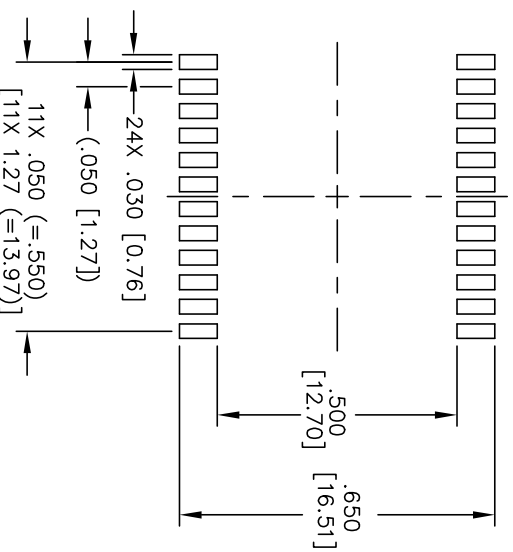
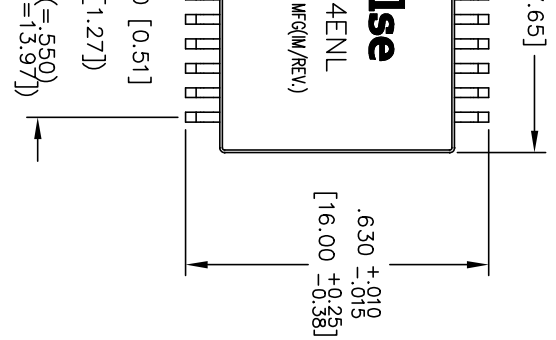
2. "▽" IS SPECIAL CHARACTERISTIC.



- 24 MCT1
- 23 MX1+
- 22 MX1-
- 21 MCT2
- 20 MX2+
- 19 MX2-
- 18 MCT3
- 17 MX3+
- 16 MX3-
- 15 MCT4
- 14 MX4+
- 13 MX4-

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WITH THE FOLLOWING
REFERENCE ONLY.

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HM5004ENL-P2	PS-2228.001-C	3 OF 3	HM5004ENL	B
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