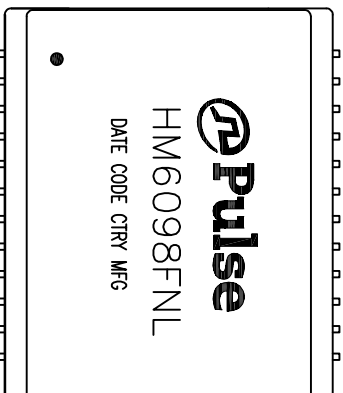




THE DATASHEET OF HM6098FNL





HM6098FNL

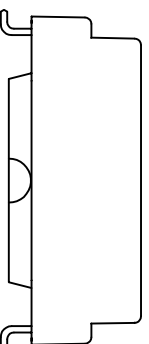
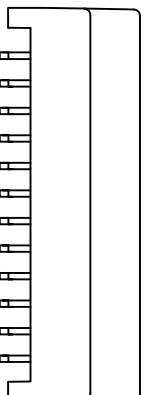
AT 245°C REFLOW PROFILE

MOISTURE SENSITIVE

MINIMUM THROUGH REFLOW SOLDER

ADD A "T" SUFFIX

WHICH BECOMES HM6098FNL(T).



FINAL OUTLINE

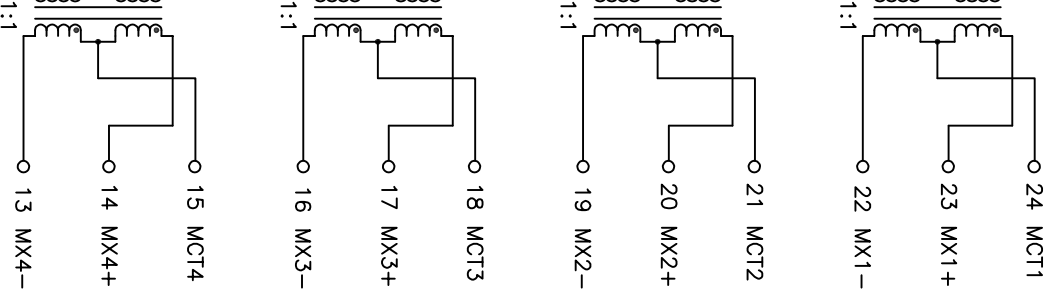
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QTA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HM6098FNL-10	PS-2744.001-D	1 OF 3	HM6098FNL	C

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

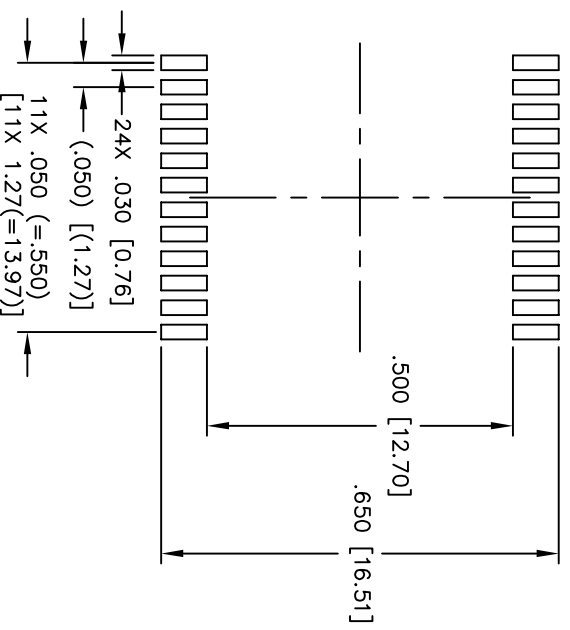
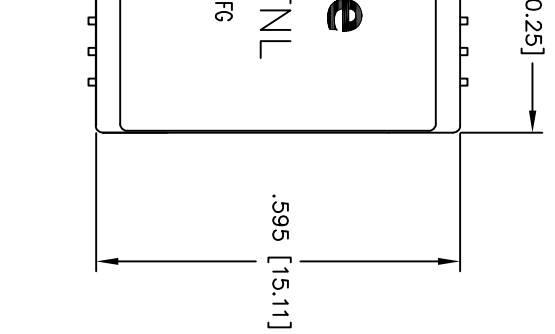
PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C TO +105°C
TURNS RATIO	1.00 ± 2%
INTERWINDING CAPACITANCE (C _{WW})	20 pF TYP. @ 1 MHz
LEAKAGE INDUCTANCE (LL)	250 nH TYP. @ 100 KHz, 100 mV
TURNS RATIO	1.00 ± 2%
INSERTION LOSS	100 KHz 1-125 MHz -1.2 dB MAX -0.2-0.002*f ^{1.4} dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	1-40 MHz 40-100 MHz -16 dB MIN -10+20*LOG ₁₀ (f/80 MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, -40~+105°C)	120 uH MIN (MEASURED AT 100 KHz, 100 mV _{RMS}) WITH 18 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	-50 dB MIN -15+20*LOG ₁₀ (f/200) dB MIN
DC RESISTANCE, 1/2 WINDING	.30 OHMS TYP.
DC CURRENT/VOLTAGE RATING	1200 mA @ 57 V (CONTINUOUS)
DC RESISTANCE BALANCE	±.05 OHMS MAX (CENTER TAP SYMMETRY)
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS

NOTE: f IS FREQUENCY IN MHZ.

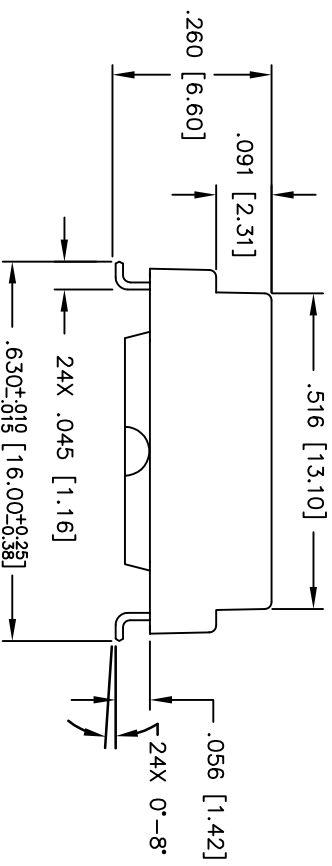
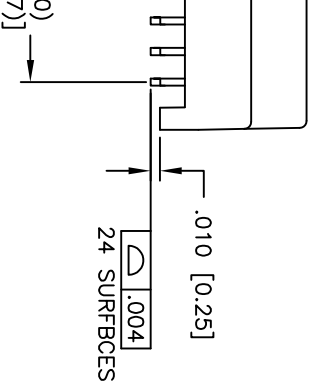


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A DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
6098FNL-10	PS-2744.001-D	2 OF 3	HM6098FNL	C



SUGGESTED LAND PATTERN



WITH THE FOLLOWING
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Q	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
6098FNL-10	PS-2744.001-D	3 OF 3	HM6098FNL	C

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