



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

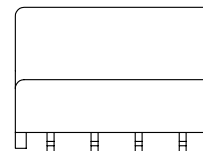
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



NOTES:

1. ROHS COMPLIANT
2. HEADER: PHENOLIC WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE: -20°C TO +125°C
4. COMPLIANCE TO J-STD:
  - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
  - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
  - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
5. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX TO THE PART NUMBER(i.e PE-65812FNL BECOMES PE-65812FNLT).

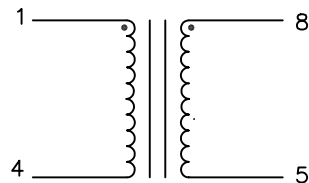


FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
XFMR,SGL,DGTL/AUD,LA,1:1,RL	PE-65812FNL-10	PS-2752.001-B	1 OF 3	PE-65812FNL	A

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

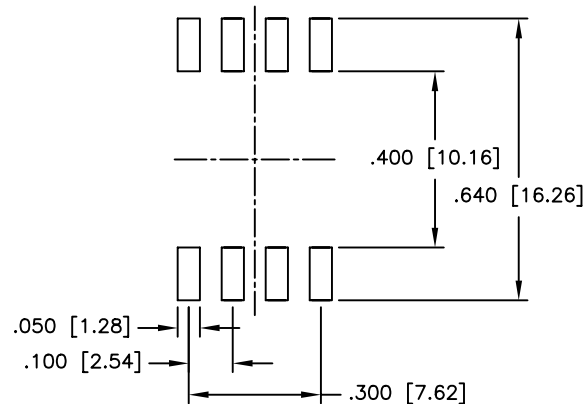
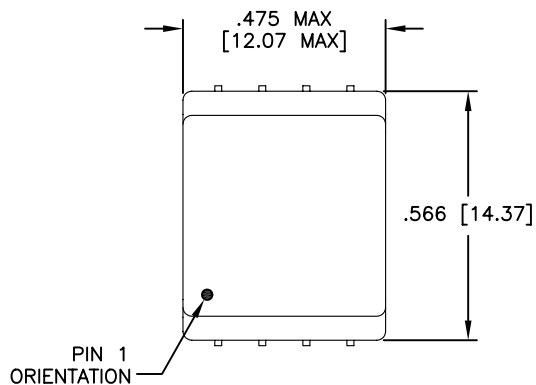


SCHEMATIC

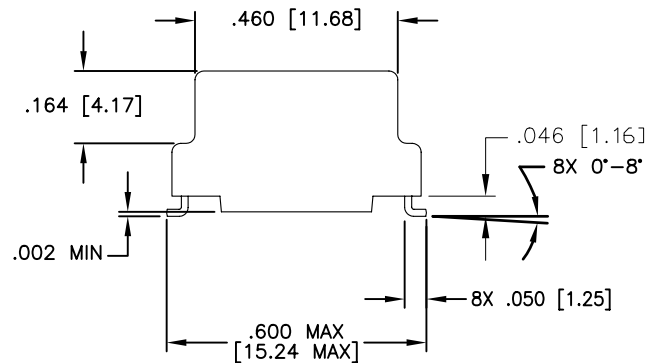
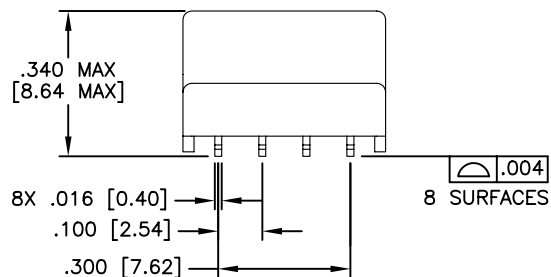
PARAMETER	SPECIFICATIONS					
OPERATING TEMP	0°C – 70 °C					
POLARITY	PER SCHEMATIC					
TURNS RATIO @10 KHZ, 0.2 VRMS	$\frac{(1-4)}{(8-5)} = 1.00 \pm 2\%$					
INDUCTANCE @100 KHZ, 0.02 VRMS	(1-4) = 2.5 mH $\pm 20\%$					
LEAKAGE INDUCTANCE (LL) @100 KHZ, 0.02 VRMS	(1-4) WITH (8-5) SHORTED = 0.35 $\mu$ H MAXIMUM					
CWW @100 KHZ, 0.02 VRMS	(1-4) TO (8-5) = 40 pF MAXIMUM					
INSERTION LOSS	100 KHz TO 55 MHz					
	-3 dB MAXIMUM					
RETURN LOSS	100 KHz			10 MHz		
	-22 dB MINIMUM			-20 dB MINIMUM		
COMMON MODE REJECTION	100 KHZ	1 MHz	3 MHz	6 MHz	10 MHz	30 MHz
	-75 dB	-70 dB	-60 dB	-50 dB	-40 dB	-25 dB
HIPOT:	2000 VAC FOR 60 SECONDS					

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SUGGESTED LAND PATTERN



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.  
 .XX=  $\pm 0.01$  [ $\pm 0.25$ ]  
 .XXX=  $\pm 0.005$  [ $\pm 0.13$ ]

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XFMR,SGL,DGTL/AUD,LA,1:1,RL	PE-65812FNL-10	PS-2752.001-B	3 OF 3	PE-65812FNL	A