

PoE Magnetic Module



Compliance to IEEE 802.3at and 802.3af PoE+

RoHS Compliant

High Quality and RoSH IR Reflow profile withstand
Low Insertion and Return Loss Product

10/100/1000 Giga (BASE-T) PoE LAN Magnetic Module

MECHANICAL (mm)	SCHEMATICS
APL-060B SHINHOM HS2417 YYWW Recommended Pad	

UNIT: mm Unless otherwise specified
all tolerances are ± 0.25

1. TURNS RATIO : TX / RX = 1 : 1 $\pm 2\%$
2. CW/W(@1MHz, 0.02V) : 30 pF MAX.
3. OCL(@100KHz, 0.1V) : 11mA/DC Bias = 350uH MIN.
19mA/DC Bias = 120uH MIN.
4. HI-POT : 1500Vrms
5. CROSS TALK : 0.3-100MHz = 33-20 log(F/100) MIN.
6. RETURN LOSS(@100OHM $\pm 15\%$) : 0.5-40 MHz = 18dB MIN.
40-100MHz = 12-20 log(f/80) MIN.
7. INSERTION LOSS : 0.3 - 1MHz = 1.1dB MAX.
1 - 65MHz = 0.8dB MAX.
65 - 100MHz = 1.0dB MAX.
100 - 125MHz = 1.2dB MAX.
8. CMRR : 0.3 - 100MHz = 30dB MIN.
9. DCMR : 0.3-100MHz = 35dB MIN.
10. GIGA PoE current : 1A DC per center tap
Operating Temperature: -40°C ~ +85°C
Storage temperature: -40°C ~ +85°C

NAME:	PoE Magnetic module		
CUSTOMER P/N:	APL-060B	Revision date:	10/31/2017
SHINHOM P/N:	HS2417		