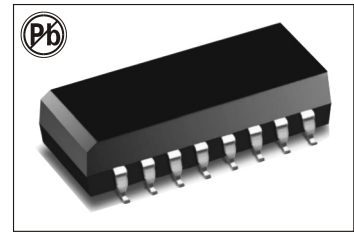


# 10/100 BASE MAGNETIC MODULES

# HS16001S-16002S



### FEATURES:

- Designed to meet IEEE 802.3 requirements.

### OPTIONS:

- Tape & Reel is Standard
- Bulk upon request

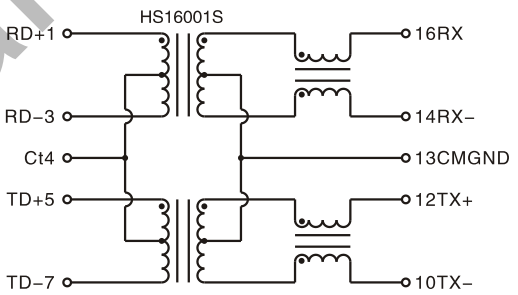
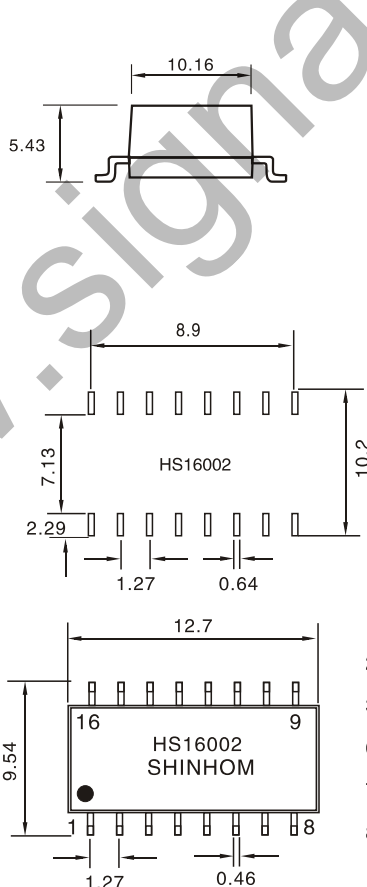
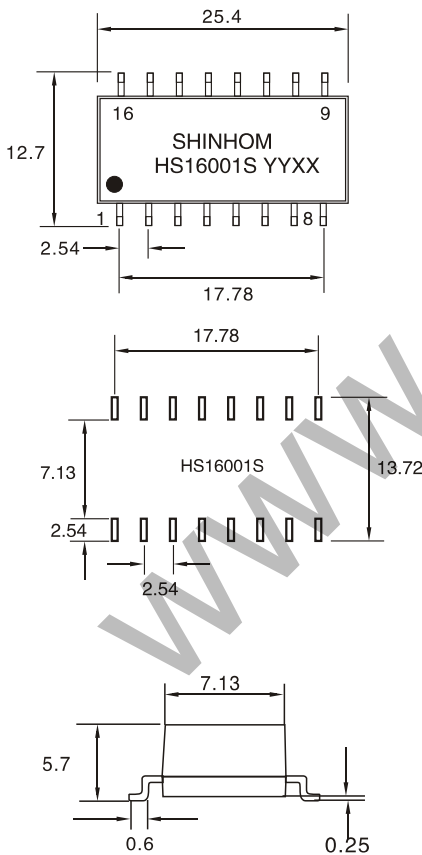
### COMMON APPLICATIONS:

- Cable interface for isolation and low common mode emissions.
- Multiport Repeater & Ethernet Switching HUB

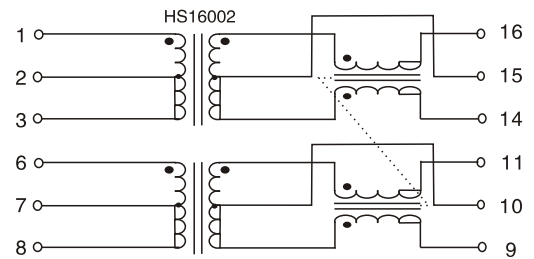
## ELECTRICAL SPECIFICATION @25°C-Operating Temperature 0°C to 70°C

Part number	Turns Ratio ( $\pm 2\%$ )	Insertion Loss (Max)	Return Loss (dB Min)					Crosstalk (dB Min)				Differential to Common Mode Rejection (dB Min)		Hipot (Vrms Min)
			0.1-100MHz	2-30MHz	40MHz	50MHz	60-80MHz	1kHz	30MHz	60MHz	100MHz	1-60MHz	60-200MHz	
HS16001S	1CT:1CT	-1.0	-20	-20	-18	-14	-50	-40	-40	-42	-36	-33	1500	
HS16002	1CT:1CT	-1.0	-18	-14.4	-13.1	-12	-55	-45	-40	-33	-37	-25	1500	

## TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



DIMENSIONS: mm  
Unless otherwise specified all tolerances are  $\pm 0.25$



- OCL:350  $\mu$ H Min 8mA DC bias (line side)
- Hi-Pot:1500 VRMS Min
- Soldering methods:Wave,Reflow
- Operating Temperature:0°C to 70°C
- Storage Temperature:-25°C to 85°C

Note: All specifications subject to change without notice.