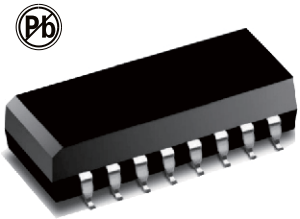


# 10/100BASE-TX MAGNETICS MODULES FAHS16001S-16002S



## FEATURES:

Designed to meet IEEE 802.3 requirements

## OPTIONS:

Tape & Reel is Standard  
Bulk upon request

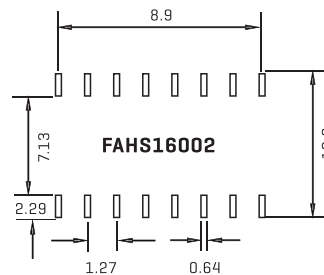
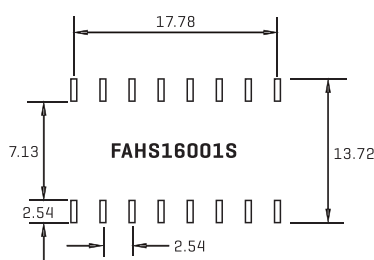
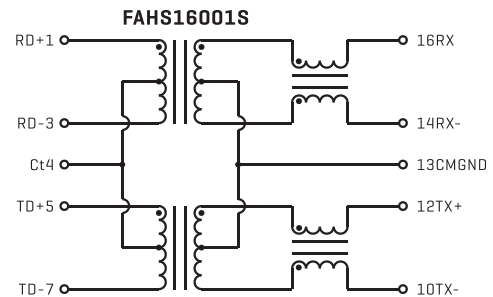
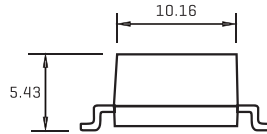
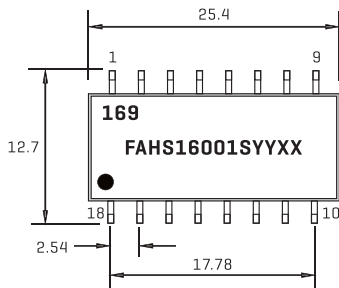
## COMMON APPLICATIONS:

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

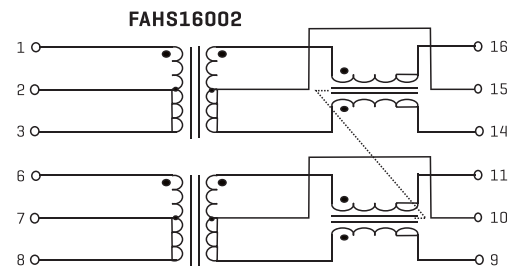
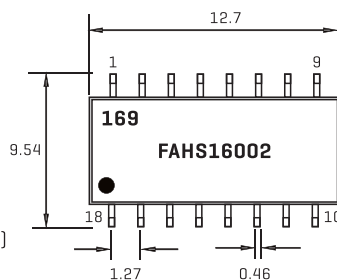
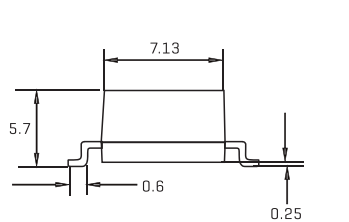
### ELECTRICAL SPECIFICATION@25°C -Operating Temperature 0°C to 70°C

Part number	Turns Ratio [±2%]	Insertion Loss [Max]	Return Loss [dB Min]					Crosstalk [dB Min]				Differential to Common Mode Rejection[dB Min]		Hi-pot [Vrms Min]
			0.1-100MHz	2-30MHz	40MHz	50MHz	60-80MHz	1KHz	30MHz	60MHz	100MHz	1-60MHz	60-200MHz	
FAHS16001S	1CT:1CT	-1.0	-18	-14.4	-13.1	-12	-55	-45	-40	-32	-37	-25	1500	
FAHS16002	1CT:1CT	-1.0	-20	-20	-18	-14	-50	-40	-40	-42	-36	-33	1500	

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:



DIMENSIONS:mm  
Unless otherwise specified all tolerances are±0.25



OCL:350uH 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.