

# 10 BASE-T COUPLING TRANSFORMER

## HS 16005~16025 SERIES

### FEATURES:

- Compliant with IEE 802.3u and ANSI X.3.263
- Cable interface for isolation and low common mode emissions
- Meet FCC Class B Approval.
- SMT Pick & Place Available

### OPTIONS:

- Bulk Packaging is Standard
- Custom Design Available
- Thru Hole Available

### COMMON APPLICATIONS:

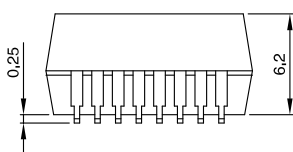
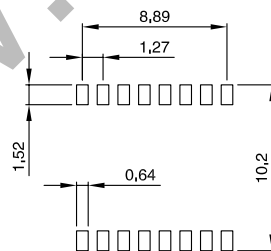
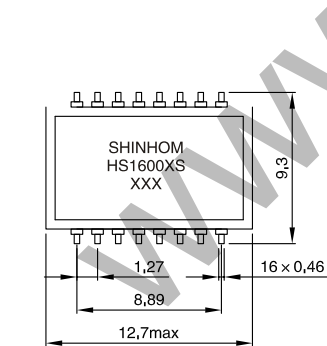
- Cable interface for isolation and low common mode emissions.
- Designed for reflow soldering at temperature up to 234°C non-RoHS, 260°C RoHS.

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

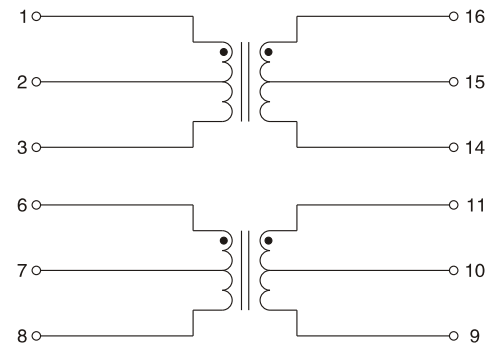
Part number	Turns Ratio ( ± 5%)		Primary Inductance ( μ H )	Primary Capacitance (pF)Max	Leakage Inductance ( μ H )Max	DCR PRI (ohm)Max	Primary Pins	Hi-Pot Vrms	Fig
	Receive (1-3:16-14)	Transmit (6-8:11-9)							
HS16005S	1CT:1CT	1CT:2.5CT	200/35min	15	0.4	0.5	6-8&1-3	2000	B
HS16020S	1CT:1CT	1CT:2.0CT	140Typ	15	0.4	0.3	6-8&1-3	2000	A
HS16021S	1CT:1CT	1CT:2.0CT	140Typ	15	0.4	0.3	6-8&1-3	2000	B
HS16022S	2CT:1CT	1CT:1.0CT	150min	10	0.6	0.35	6-8&1-3	2000	A
HS16023S	2CT:1CT	1CT:1.0CT	150min	10	0.9	0.35	6-8&1-3	2000	B
HS16024S	1CT:1CT	1CT:2.0CT	140/25Typ	15	0.4	0.3	6-8&1-3	2000	A
HS16025S	1CT:1CT	1CT:2.0CT	140/25Typ	15	0.4	0.3	6-8&1-3	2000	B

### TECHNICAL INFORMATION & PHYSICAL CHARACTERISTICS:

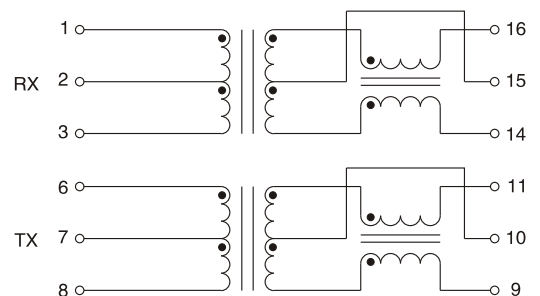
- Dimension: mm
  - Isolation Hi-pot: 1500Vrms(pri/sec)
  - Soldering methods:Wave,Reflow
  - Operating Temperature:0°C to 70°C
  - Storage Temperature:-55°C to 125°C
- Note:All specifications subject to change without notice.



Dimensions in mm



A



B

Unless otherwise specified all tolerances are ± 0.25