

- Designed to meet IEEE802.3AT, Available for PoE.
- LL: 0.5uH @ 100kHz 0.1Vrms
- Cw/w: 35PF @ 100KHz 0.1Vrms
- Operating Temp: -40°C to +85°C
- Storage Temp: -55°C to +125°C

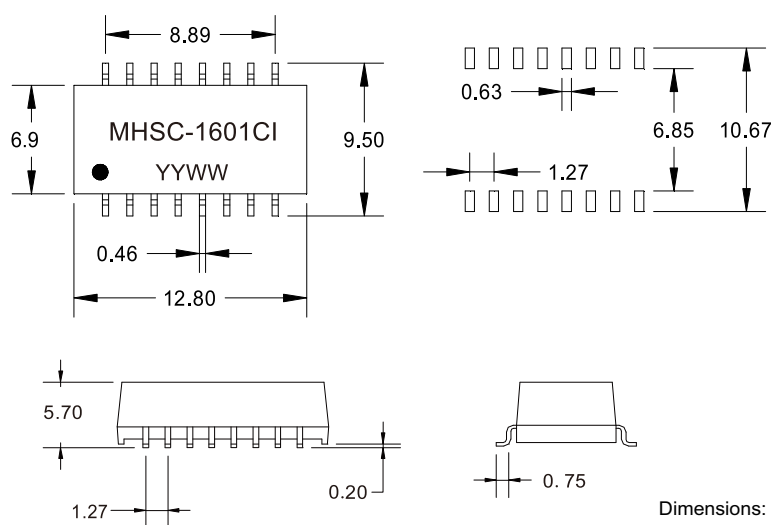
Electrical Specifications @25°C

Part Number	OCL(uH Min) @ 100kHz, 0.1V	Turns Ratio chip: cable (±3%)	Insertion Loss (dB Max)	DCR (Ω)	
	With 8mA DC Bias		1-100MHz	Primary	Secondary
MHSC-1601CI	350	1CT:1CT	-1.2	0.9 max	1.2 max

Electrical Specifications @25°C

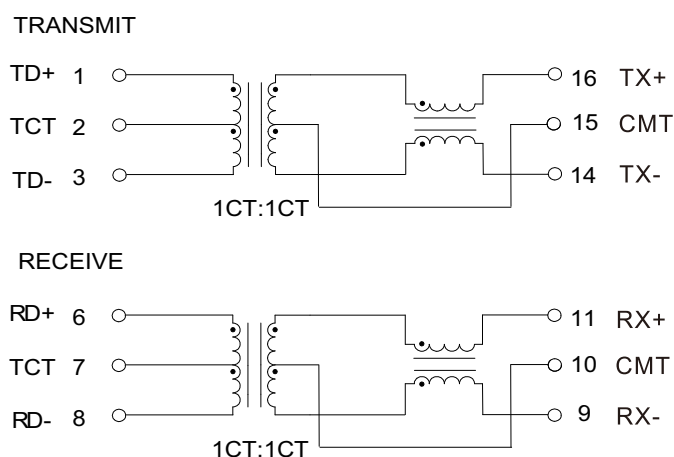
Part Number	Return Loss (dB Min)				DMRR (dB Min)		Cross Talk (dB Min)	Isolation HI-POT (Vrms)
	1-30MHz	60MHz	50MHz	60-80MHz	1-60MHz	60-100MHz	1-100MHz	
MHSC-1601CI	-18	-16	-14.5	-12	-40	-35	-40	1500

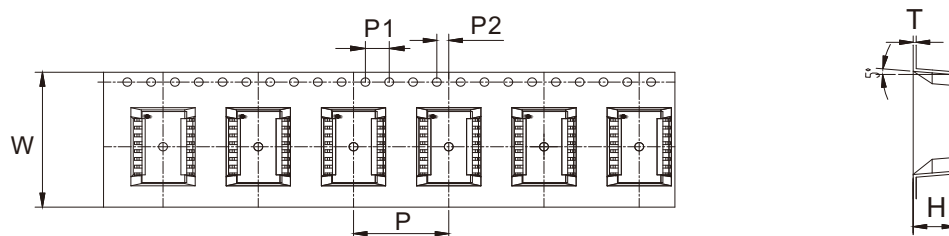
MECHANICAL



Dimensions: mm
Unless otherwise specified, all tolerances are ±0.25

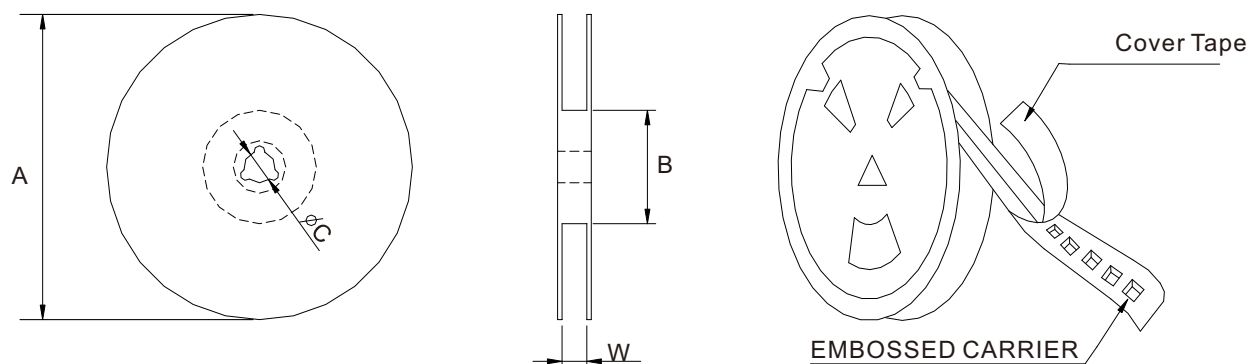
SCHEMATICS





Unit: mm

Type	Dimension	W	P	P1	P2	H	T
	Tolerance	±0.3	±0.1	±0.1	±0.1	±0.1	±0.05
MHSC-1601CI		24.0	16.0	4.0	2.0	5.60	0.40



Unit: mm

Type	Dimension	QTY	A	B	C	W
	Tolerance	PCS	±2.0	±0.5	±0.5	±0.5
MHSC-1601CI		600 / Reel 4800 / Carton	330	97	13	24.8