

Feature

- ◆ For RoHS date code add postfix "G4"
- ◆ Designed to meet IEEE802.3ab requirement.
- ◆ Single Port for NIC Application
- ◆ Primary inductance 350μH min. with 8mA DC bias.
- ◆ Designed to meet IR 245°C~250°C peak requirement.
- ◆ Operating temperature range : 0°C to +70°C

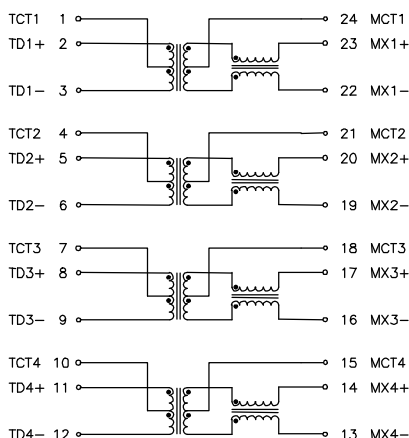
Specifications @ 25°C

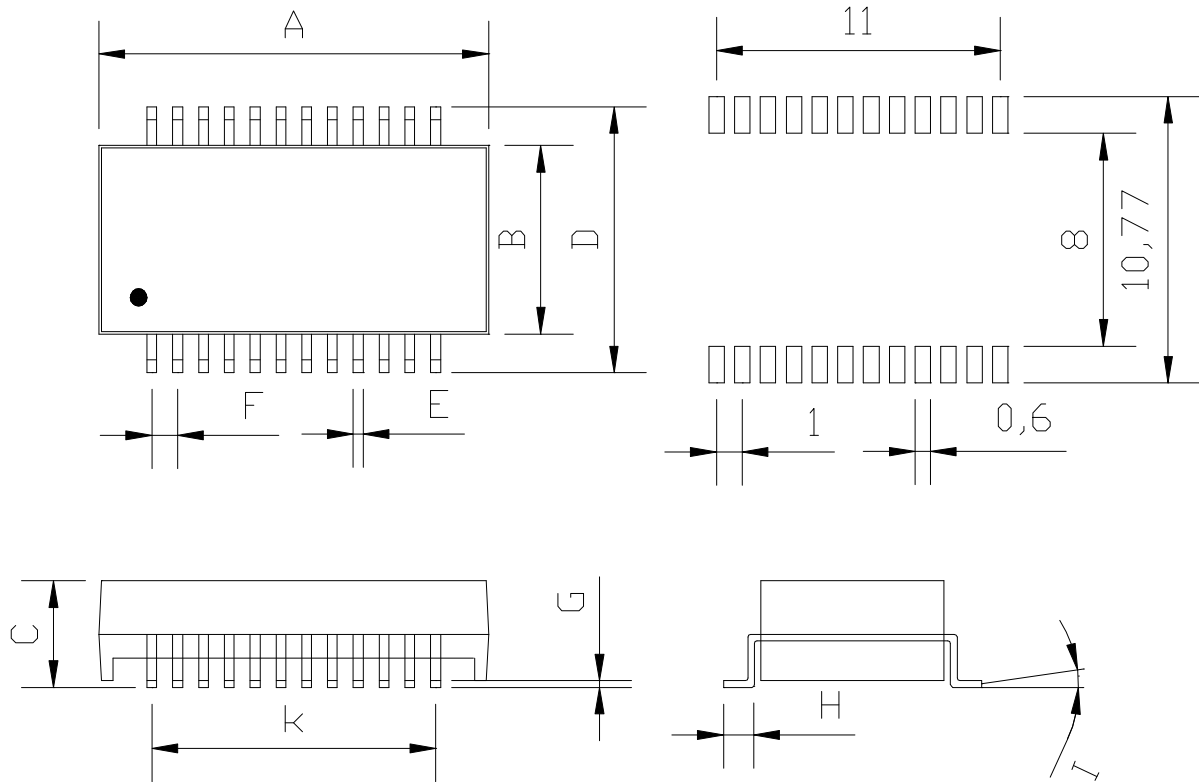
Parameter	Condition	Min.	Typ.	Max.	Unit
Turn Ratio			1CT : 1CT		
Inductance	@100KHz, 100mV	350	*Note 1		μH
Insertion Loss	@1-100MHz			-1.0	dB
Return Loss	@1-30MHz	-16			dB
	@30-60MHz	*Note 2			dB
	@60-80MHz	-10			dB
Cross Talk	@1-60MHz	-40			dB
	@60-100MHz	-38			dB
DCMR	@30MHz	-43			dB
	@60MHz	-37			dB
	@100MHz	-33			dB
Voltage Isolation		1500			Vrms

Note 1: measured at 8mA_{dc} over operating temperature 0~70°C

Note 2: Greater than 16-20 log(f/30 MHz)dB

Schematic :



Dimension


UNIT: mm/inch

A	= 15.5/0.610 max
B	= 7.5/0.295 max
C	= 4.5/0.177max
D	= 10.05±0.35/0.395±0.010
E	= 0.46/0.018Typ
F	= 0.99/0.038Typ
G	= 0.25/0.001Typ
H	= 0.73/0.029Typ
I	= 0~8 ⁰
k	= 10.85±0.25 / 0.427±0.010