

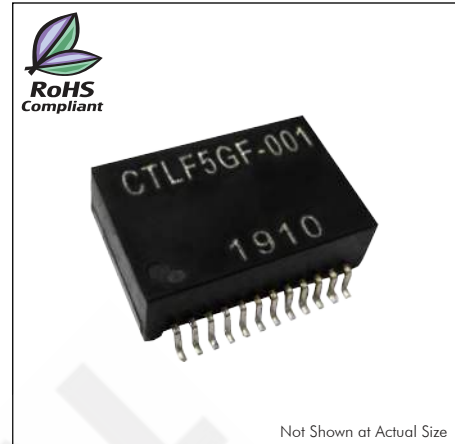
## CTLF5GF Series

### CHARACTERISTICS

**Description:** 5G Base-T, 24 pin SMD  
**Operating Temperature:** 0°C to 70°C

**Features:**

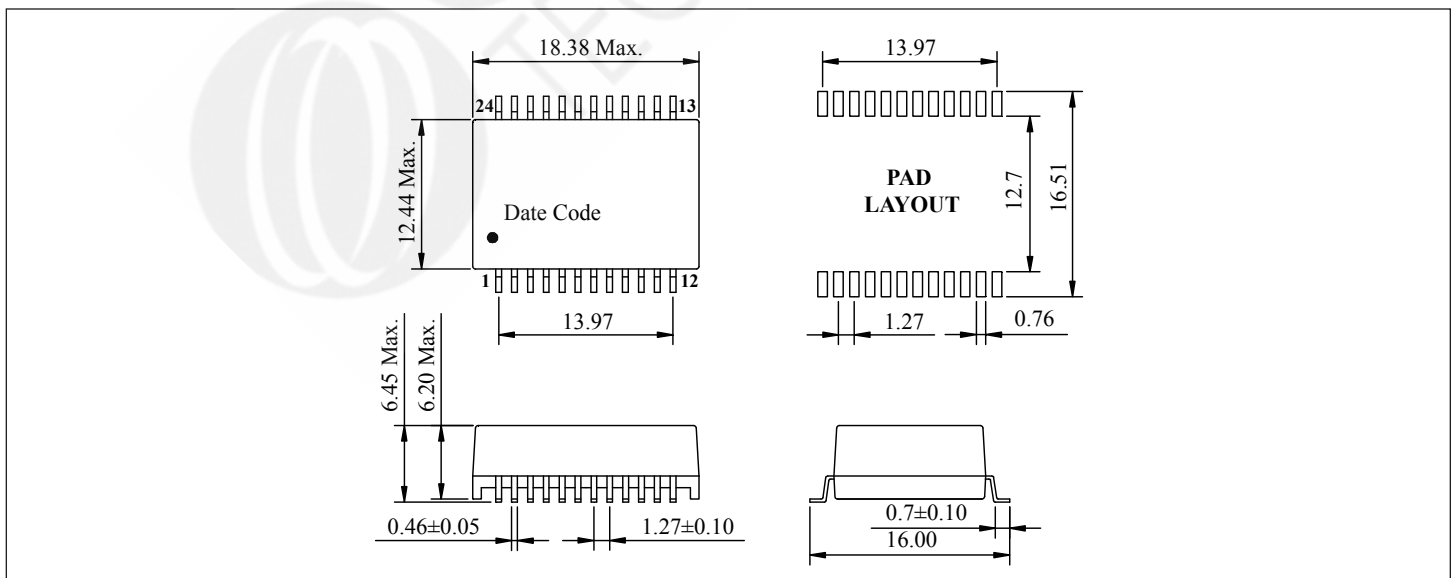
- Designed for long haul Gigabit Ethernet 5G Base-T, full duplex applications
- Supports 4 pairs of category 5 UTP cable
- Cable interface for isolation and low common mode emissions
- Compliant with IEEE 802.3an standard



### SPECIFICATIONS

Part Number	Insertion Loss (dB Max.)		Return Loss (dB Min. @100Ω)		Common to Differential Mode Rejection (dB Min.)		Crosstalk (dB Min.)	Hipot (Vrms Min.)
	1-100 MHz	100-250 MHz	1-40 MHz	40-250 MHz	1-30 MHz	30-250 MHz		
CTLF5GF-001	-1.0	-2.0	-18	-16+10log <sub>10</sub> (f/40MHz)	-48	-44+19.2log <sub>10</sub> (f/50MHz)	-43.1+20log <sub>10</sub> (f/100MHz)	1500

### PHYSICAL DIMENSIONS & PAD LAYOUT



Unit: mm Tolerances: Unless otherwise specified, all tolerances are ±0.25

# CTLF5GF

## SCHEMATICS

