

CTLF10GDF Series

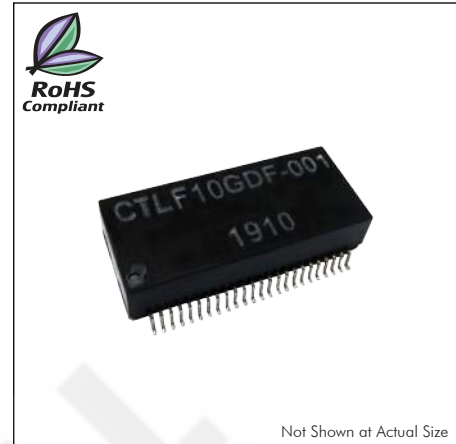
CHARACTERISTICS

Description: 10G Base-T, dual port, 48 pin SMD

Operating Temperature: 0°C to 70°C

Features:

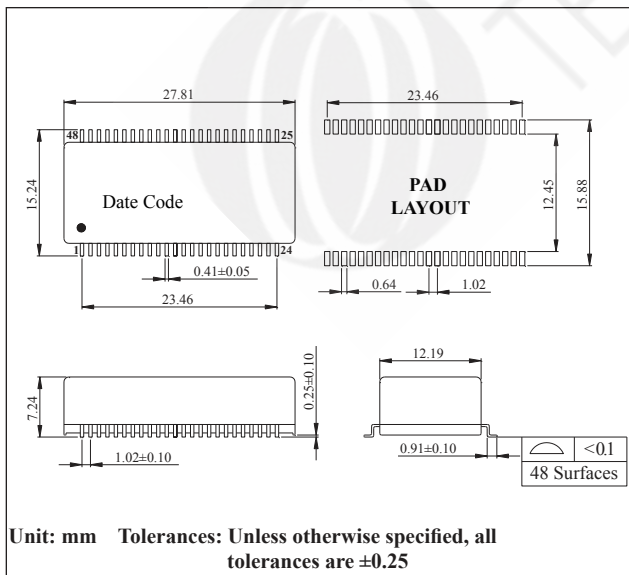
- Designed for Ethernet 10G Base-T applications
- Cable interface for isolation and low common mode emissions
- Compliant with IEEE 802.3an standard for 10G Base-T



SPECIFICATIONS

Part Number	Turns Ratio (±5%)	OCL (µH Min.)	Crosstalk (dB Typ.)			Common Mode Rejection (dB Typ.)			Common to Differential Rejection (dB Typ.)			Hipot (Vrms)	Insertion Loss (dB Max.)			Return Loss (PHY-Side) (dB Min.) @100Ω±15Ω			Return Loss (LINE-Side) (dB Min.) @100Ω±15Ω		
			1-100 MHz	100-500 MHz	1-100 MHz	100-300 MHz	300-500 MHz	1-100 MHz	100-300 MHz	300-500 MHz	@60Hz		0.1 MHz	1-400 MHz	1 MHz	2-100 MHz	100-500 MHz	1-40 MHz	40-400 MHz	400-500 MHz	
CTLF10GDF-001	1CT:1CT	120	-40	-30	-37	-30	-25	-40	-30	-25	1500	-3	-1	-23	-25	-12+21.6log(f/400)	-23	-23+10log(f/40)	-13+30log(f/400)		

PHYSICAL DIMENSIONS & PAD LAYOUT



SCHEMATICS

