



P/N: H48501E

- * Designed to meet IEEE802.3at requirement
- * Design for 2.5G/5G ethernet application.
- * Complying with RoHS&Halogen Free requirements
- * Designed to meet IR 255°C peak Requirement
- * Operating temperature range:-40°C to +85°C
- * Storage temperature range:-40°C to +85°C
- * POE applications with 600mA current capability

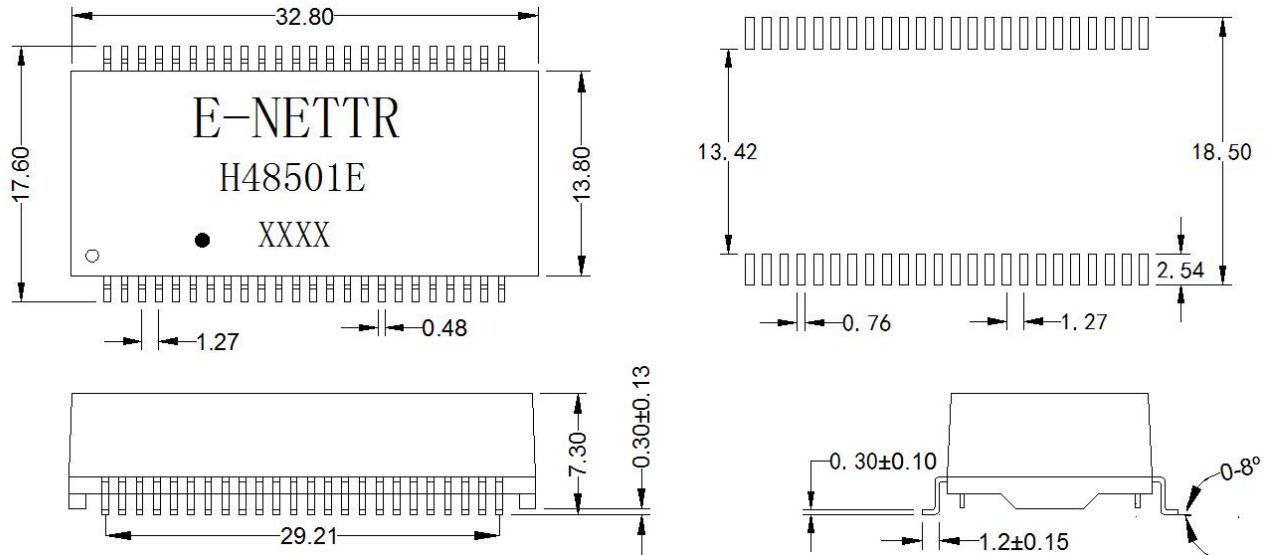
Electrical Specifications@25° C

Part Number	Turn Ratio (±3%)	OCL(uH Min) @100KHz/0.1V With0mA DC Bias	L.L (uH Max)	C _{w/w} (pF Max)	DCR (Ω Max)	Hi-Pot (Vrms MIN)
H48501E	1CT:1CT	180	0.5	28	0.9	AC1500 / 1mA 1S

Continue

Part Number	Insertion Loss (dB Max)		Return Loss (dB Min)@Load 100 Ω		Cross Talk (dB Min)		DCMR (dB Min)	
	0.3-100MHz	100.1-250MHz	0.3-40MH	40.1-250MHz	1-100MHz	100.1- 250MHz	1-30MHz	30.1-250MHz
H48501E	-1.0	-2.0	-16	-16+10Log ₁₀ (f/40)	$20\log_{10}\left[10^{\frac{35.3-15\log_{10}(f/100)}{2} + 2 \times 10^{\frac{43-20\log_{10}(f/100)}}}{2}\right]$	-30	-48	-44+19.2 log ₁₀ (f/50)

Mechanical



Dimensions: mm
 Unless otherwise specified tolerances: xx.xo ± 0.25mm
 o.xx ± 0.05mm

Schematic

