



**P/N: H48001J**

- \* Designed to meet IEEE802.3an requirement
- \* Complying with RoHS&Halogen Free requirements
- \* Designed to meet IR 255°C peak Requirement
- \* Operating temperature range:-40°C to +125°C
- \* Storage temperature range:-40°C to +125°C
- \* POE applications with 1.2A current capability

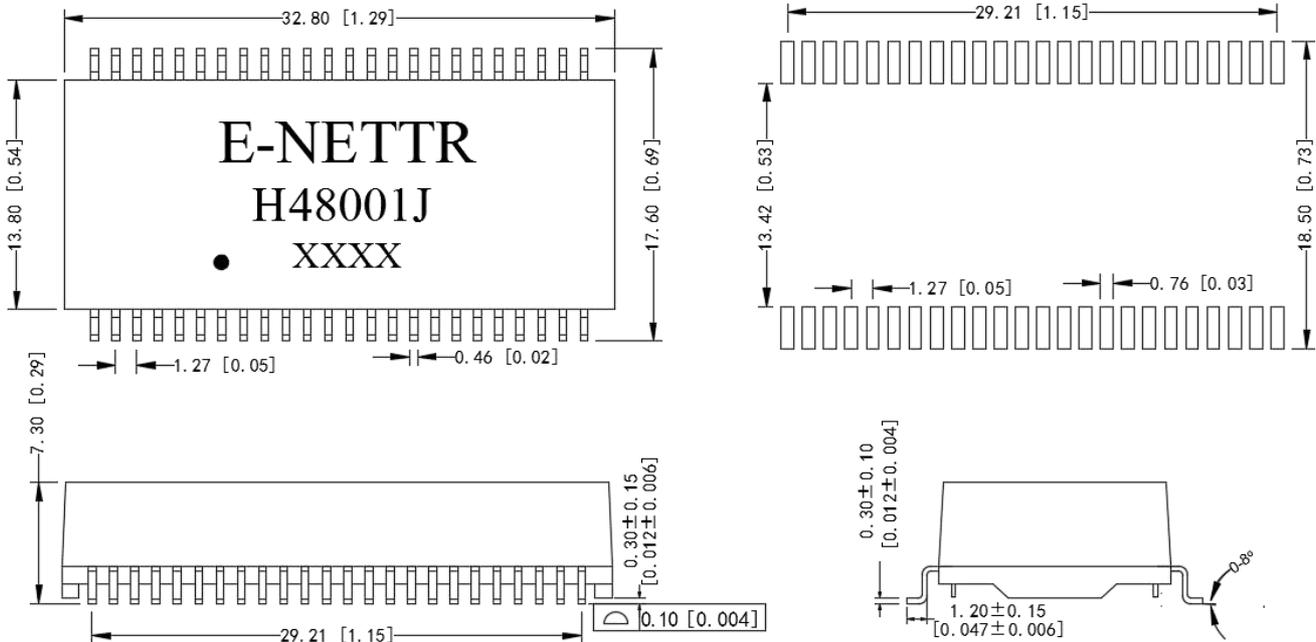
**Electrical Specifications@25° C**

Part Number	Turn Ratio (±3%)	OCL(uH Min) @ 100KHz/0.1V With0mA DC Bias	L.L (uH Max)	C <sub>w/w</sub> (pF Max)	DCR (Ω Max)	Hi-Pot (Vrms MIN)
H48001J	1CT:1CT	100	0.2	28	0.8	AC1500 / 1mA 1S

**Continue**

Part Number	Insertion Loss (dB Max)			Return Loss (dB Min)			Cross Talk (dB Min)		DCMR (dB Min)	
	1-100MHz	400MHz	500MHz	0.3-40MHz	100- 400MHz	400- 500MHz	1-100MHz	100-500MHz	1-250MHz	250-500MHz
H48001J	-1.0	-1.5	-2.0	-18	-18+10Log <sub>10</sub> (f/40)	-8+30Log <sub>10</sub> (f/400)	-40	-30	-30	-22

**Mechanical**



Unless:mm[inch] Tolerances: xx.xo± 0.25[0.010]  
o.xx± 0.05[0.002]

**Schematic**

