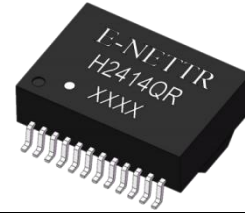


**E-NETTR****2.5G/5G BASE-T Transformer Module****P/N: H2414QR**

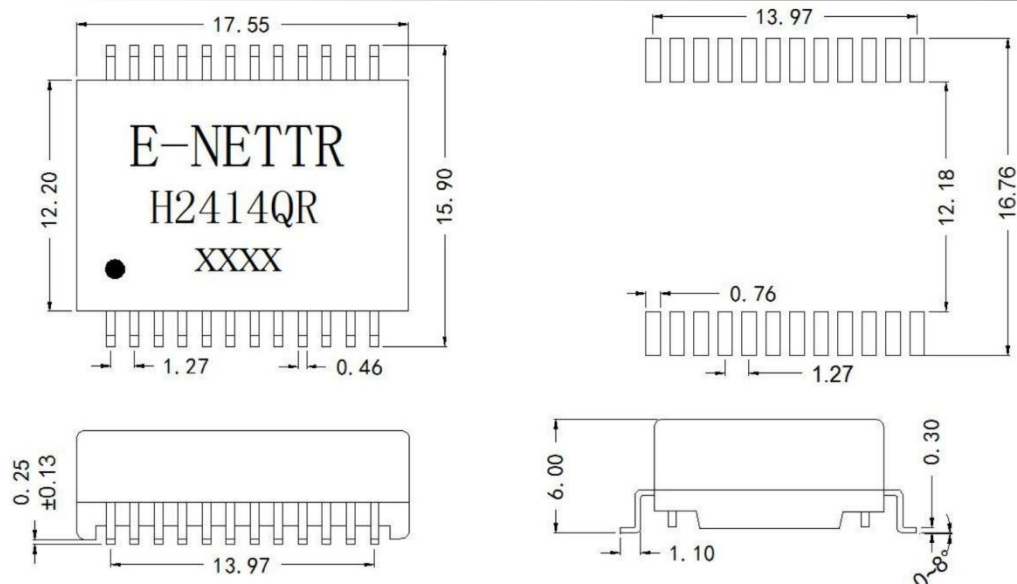
- * Design for 5G ethernet application.
- * Complying with ROHS requirements.
- * Designed to meet IR 255°C peak Requirement.
- * POE applications with 1A current capability.
- * Operating temperature range: -40°C to +85°C

**Electrical Specifications@25° C**

Part Number	Turn Ratio (±5%)	OCL(uH Min) @ 100KHz/0.1V	L.L (uH Max)	C _{w/w} (pF Max)	DCR (Ω Max)	Hi-Pot (Vrms MIN)
H2414QR	1CT:1CT	180	0.5	28	1.0	AC 1500 V/ 1mA

Continue

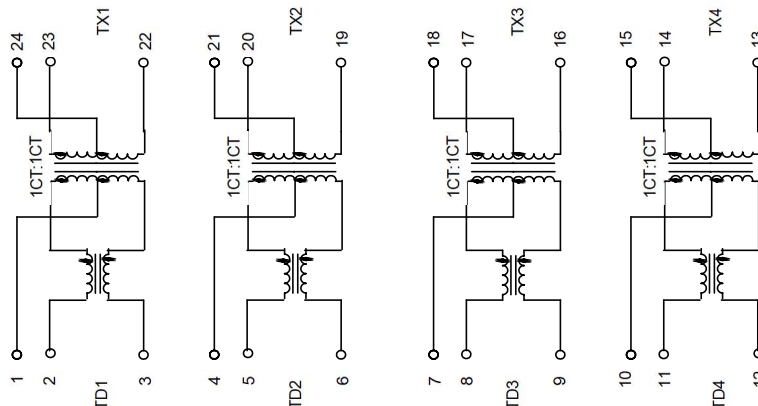
Part Number	Insertion Loss (dB Max)		Return Loss (dB Min)@Load 100 Ω		Cross Talk (dB Min)		DCMR (dB Min)	
	0.3-100MHz	100.1-250MHz	0.3-40MHz	40.1-250MHz	1-100MHz	100.1- 250MHz	1-30MHz	30.1-250MHz
H2414QR	-1.0	-2.0	-16	-16+ 10Log ₁₀ (f/40)	$20\log_{10}\left[10^{\frac{35.3-15\log_{10}(f/100)}{-20}} + 2 \times 10^{\frac{63-20\log_{10}(f/100)}{-20}}\right]$	-30	-48	-44+ 19.2 log ₁₀ (f/50)

Mechanica

Dimensions: mm

Unless otherwise specified tolerances: xx.xo ± 0.25

o.xx ± 0.05mm

Schematic

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