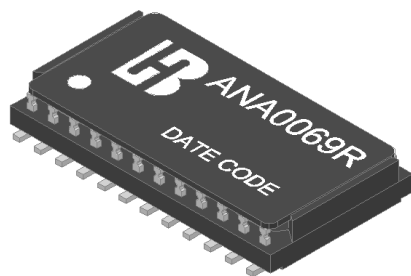


Feature



- Design for 2.5G ethernet application.
- Unsupported POE application.
- Complying with ROHS & Halogen Free requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +85°C.

Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL (uH Min) @100KHz/0.1V	L.L (uH Max)	C _{w/w} (pF Max)	DCR (Ω Max)	HI-POT
	TX	RX					
ANA0069R	1CT:1CT	1CT:1CT	180	0.5	28	0.9	AC1500V/1mA

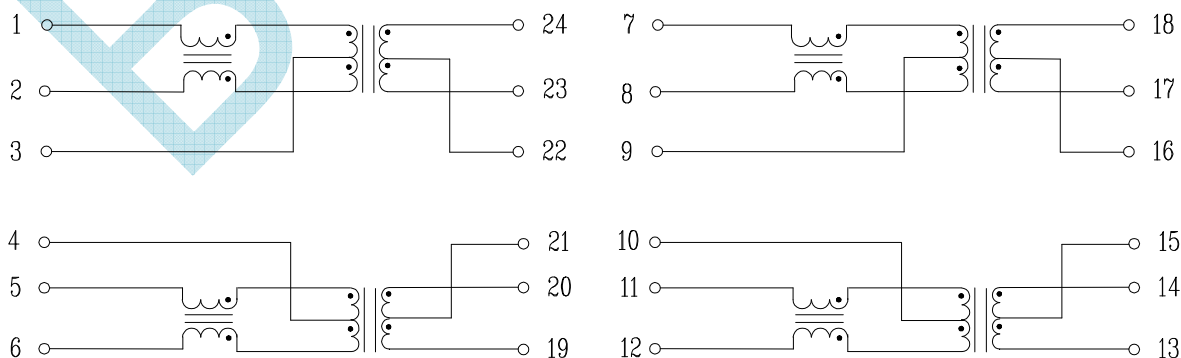
Continue

Part Number	Insertion Loss (dB Max)		Return Loss (dB Min)@Load 100Ω	
	$1 \leq f < 50 \text{ MHz}$	$50 \leq f \leq 125 \text{ MHz}$	$1 \leq f \leq 40 \text{ MHz}$	$40 < f \leq 125 \text{ MHz}$
ANA0069R	-0.5	-1	-20	$-(20-10 \log_{10}(f/40))$

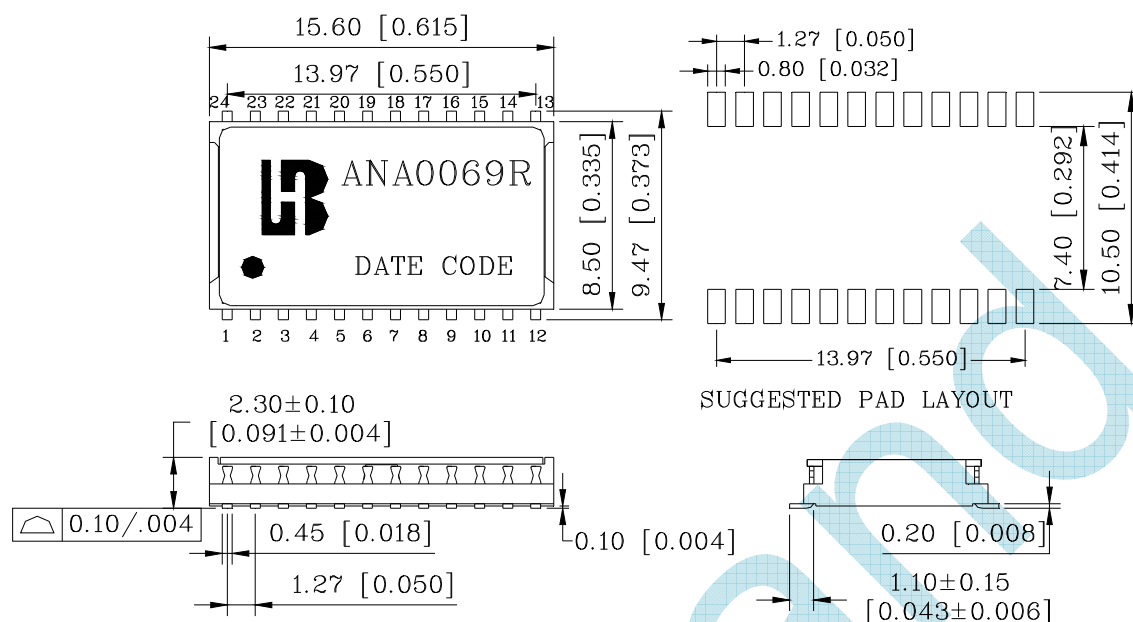
Continue

Part Number	Cross talk (dB Min)		DCMR (dB Min)	
	$1 \leq f \leq 100 \text{ MHz}$	$100 < f \leq 125 \text{ MHz}$	$1 < f \leq 30 \text{ MHz}$	$30 < f \leq 125 \text{ MHz}$
ANA0069R	$20 \log_{10} \left[10^{\frac{35.3-15 \log_{10}(f/100)}{-20}} + 2 \times 10^{\frac{43-20 \log_{10}(f/100)}{-20}} \right]$		-30	-48
				$-(44-19.2 \log_{10}(f/50))$

Schematic



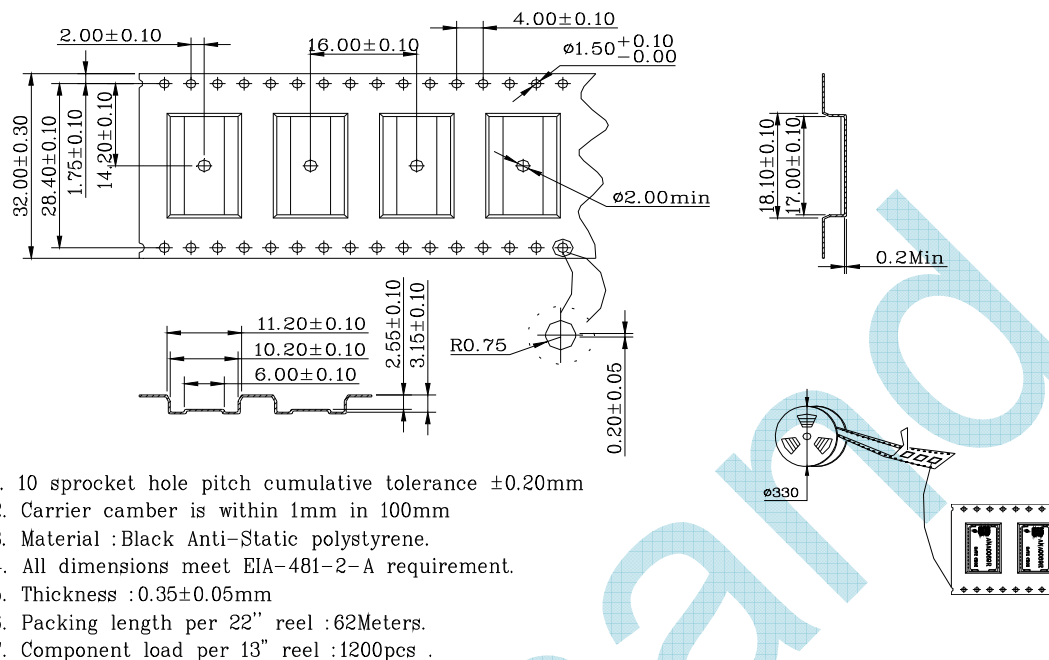
Mechanical



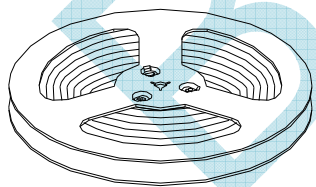
Units: mm[Inches] Tolerances xx.xx: ±0.25[0.010]

0.xx: ±0.05[0.002]

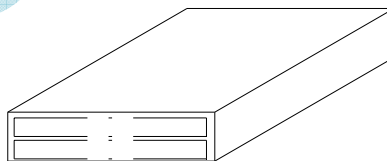
REEL PACKAGE



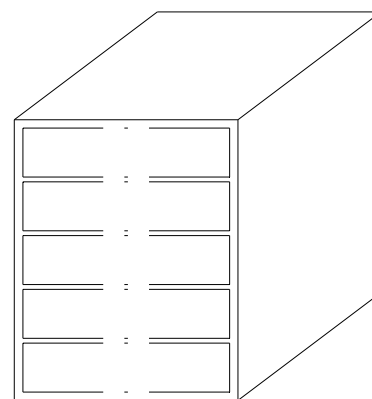
CARTON PACKAGE



REEL



INNER BOX: 347x347x82



OUTER CARTON: 375x375x470

1. 1 REEL=1200PCS
2. 1 INNER BOX=2 REELS=2400PCS
3. 1 OUTER CARTON=5 INNER BOXES=12000PCS