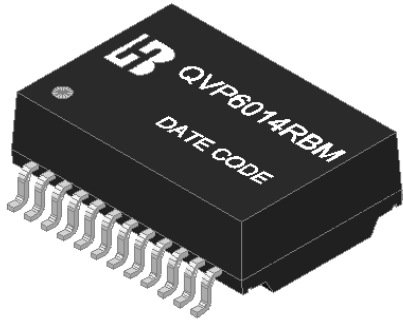


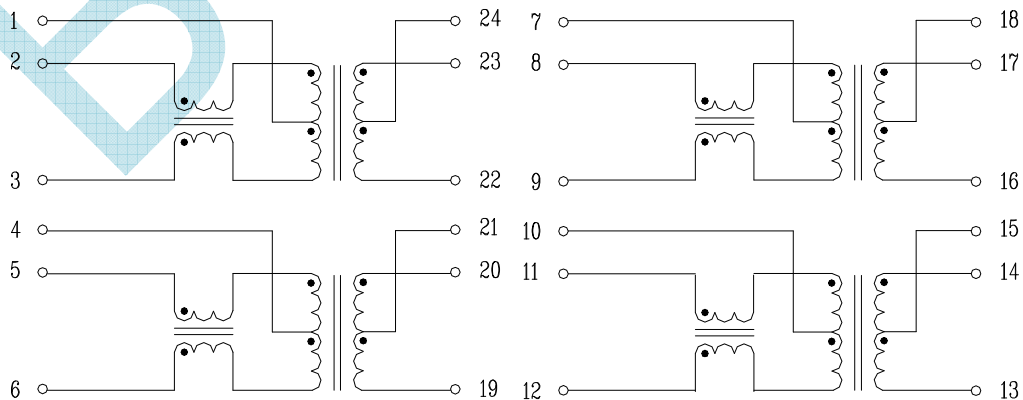
Feature



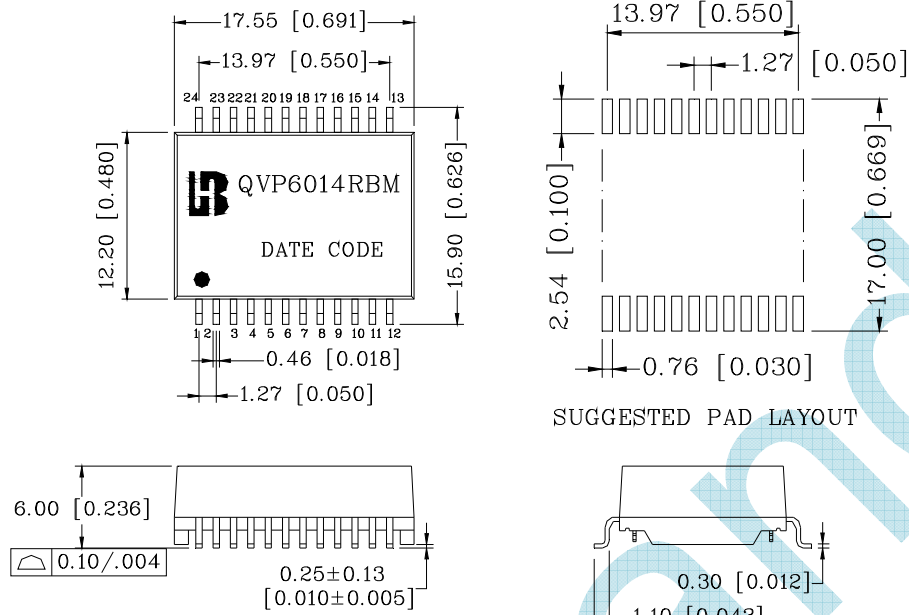
- Design for 2.5G/5G ethernet application.
- PASS Surge 6KV ((K21-2.1.1b Surge waveform 10/700us,primary and secondary) .
- Complying with IEEE 802.3at standard.
- POE applications with 600mA current capability.
- Complying with ROHS & Halogen Free requirements.
- Operating temperature range: -40°C to +85°C.
- Storage temperature range: -40°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 | | | | | |
| QVP6014RBM | 1CT:1CT | 1CT:1CT | 180 | 0.5 | 28 | 1.0 | AC4000V/1mA |
| Continue | | | | | | | |
| Part Number | Insertion Loss (dB Max) | | Return Loss (dB Min)@Load 100Ω | | | | |
| | 1 ≤ f ≤ 100 MHz | 100 < f ≤ 250 MHz | 1 ≤ f ≤ 40 MHz | 40 < f ≤ 250 MHz | | | |
| QVP6014RBM | -1.0 | -2.0 | -16 | -(16-10 log ₁₀ (f/40)) | | | |
| Continue | | | | | | | |
| Part Number | Cross talk (dB Min) | | DCMR (dB Min) | | | | |
| | 1 ≤ f ≤ 100 MHz | 100 < f ≤ 250MHz | 1 < f ≤ 30 MHz | 30 < f ≤ 250 MHz | | | |
| QVP6014RBM | $20 \log_{10} \left[10^{\frac{35.3 - 15 \log_{10}(f/100)}{-20}} + 2 \times 10^{\frac{43 - 20 \log_{10}(f/100)}{-20}} \right]$ | | -30 | -48 | -(44-19.2 log ₁₀ (f/50)) | | |

Schematic

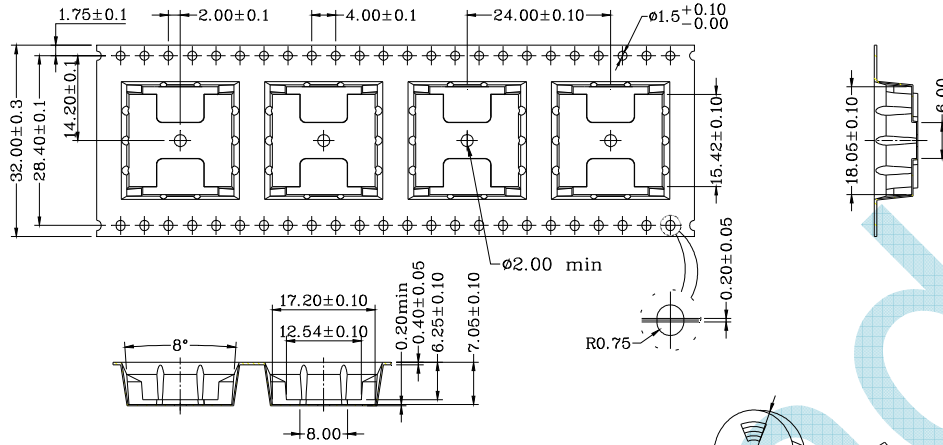


Mechanical

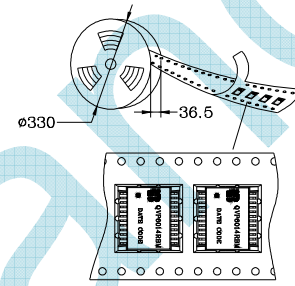


Units: mm[Inches] Tolerances: xx.xx±0.25[0.010]
 0.xx±0.05[0.002]

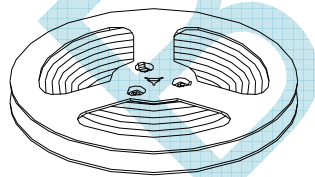
REEL PACKAGE



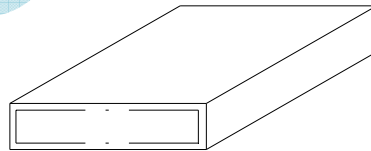
1. 10 sprocket hole pitch cumulative tolerance ±0.20
2. Material : Black Anti-Static polystyrene.
3. All dimensions meet EIA-481-3 requirements
4. Thickness : 0.40±0.05 mm
5. Component load per 13" reel : 350 pcs
6. Carrier camber is within 1 mm in 250 mm
7. Packing length per 22 reel : 29 Meters
8. Comply with Bothhand's <BHKP-WI-44-005> requirements



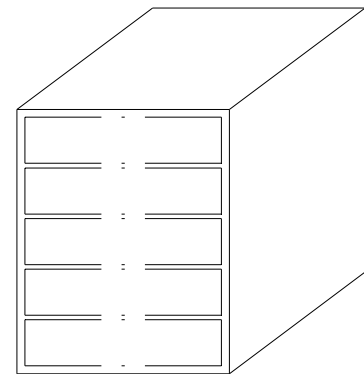
CARTON PACKAGE



REEL



INNER BOX: 347x347x82



OUTER CARTON: 375x375x470

1. 1 REEL=350PCS
2. 1 INNER BOX=1 REEL=350PCS
3. 1 OUTER CARTON=5 INNER BOXES=1750PCS