

CABLE MODEM MAGNETICS

RF Splitter/Combiner



CM03401

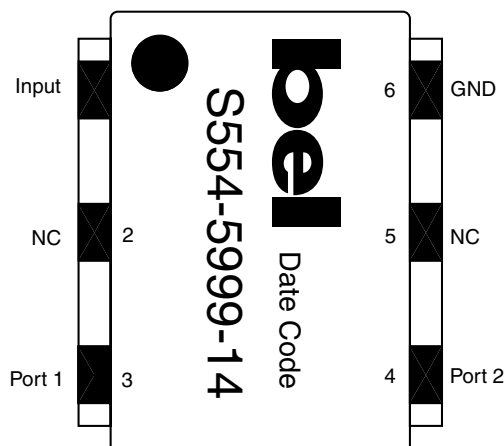
- High isolation splitter
- Excellent amplitude balance
- Ideal for cable distribution equipment and set top box applications
- Operating bandwidth optimized for upstream and downstream data paths
- Operating temperature -40° to +85° C
- Designed to withstand 225° C peak IR reflow temperature

ELECTRICAL SPECIFICATIONS at 25° C

| Frequency MHz | Z Ω | Insertion Loss dB max +3dB loss | | | Return Loss dB min | | Isolation dB min | | Amplitude Unbalance dB max | |
|---------------|------------|---------------------------------|-----------------|----------------|--------------------|---------------|------------------|---------------|----------------------------|---------------|
| | | 1MHz to 50MHz | 50MHz to 600MHz | 600MHz to 1GHz | 1MHz to 50MHz | 50MHz to 1GHz | 1MHz to 50MHz | 50MHz to 1GHz | 1MHz to 50MHz | 50MHz to 1GHz |
| 5 - 1000 | 75 | 0.5 | 0.85 | 1.2 | 13 | 18 | 20 | 25 | 1.2 | 0.8 |

SCHEMATIC

S554-5999-14



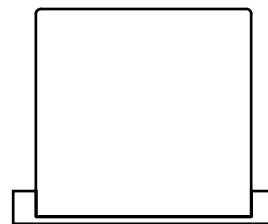
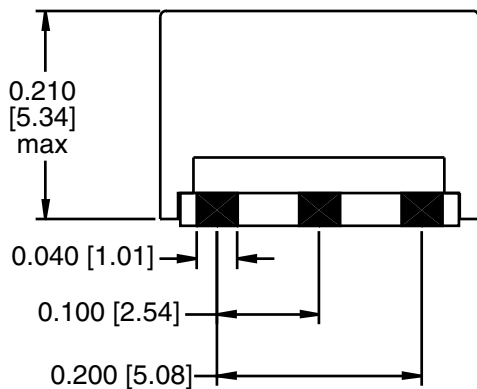
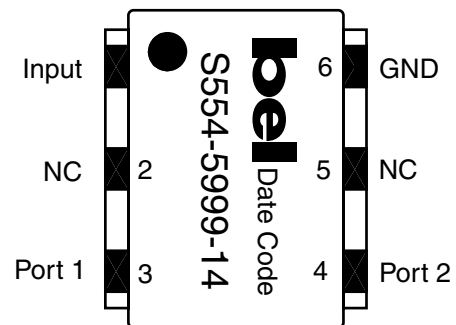
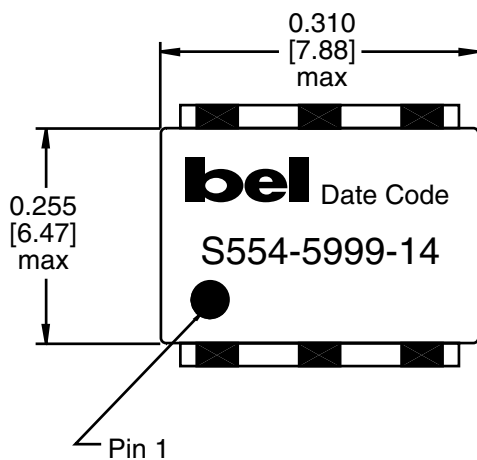


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MECHANICAL

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