

# CABLE MODEM MAGNETICS

## RF Splitter/Combiner

CM03401

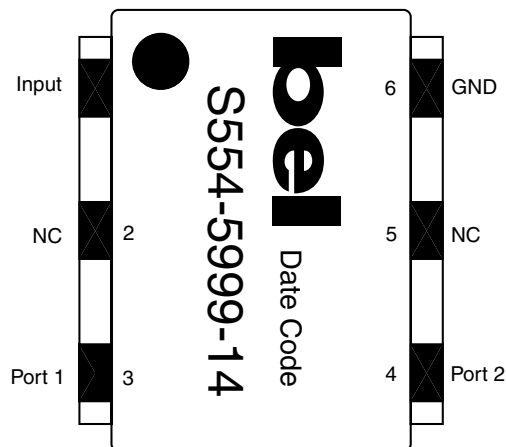
- High isolation splitter
- Excellent amplitude balance
- Ideal for cable distribution equipment and set top box applications
- Operating bandwidth optimized for upstream and downstream data paths
- Operating temperature -40° to +85° C
- Designed to withstand 225° C peak IR reflow temperature

### 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

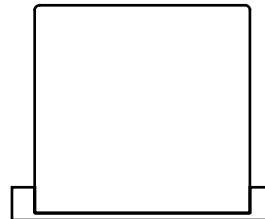
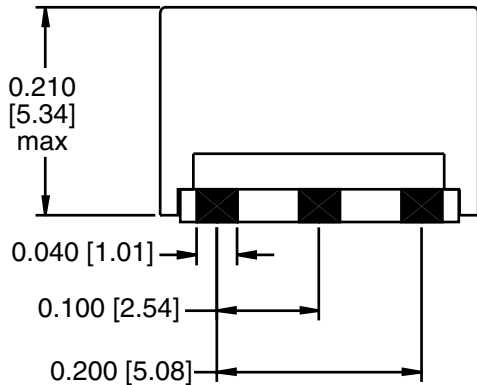
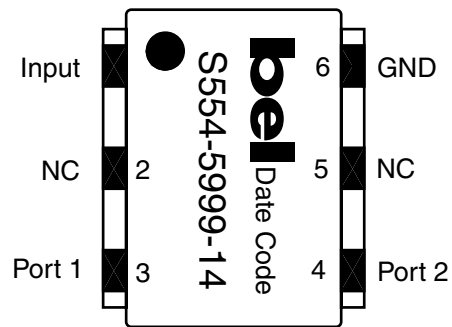
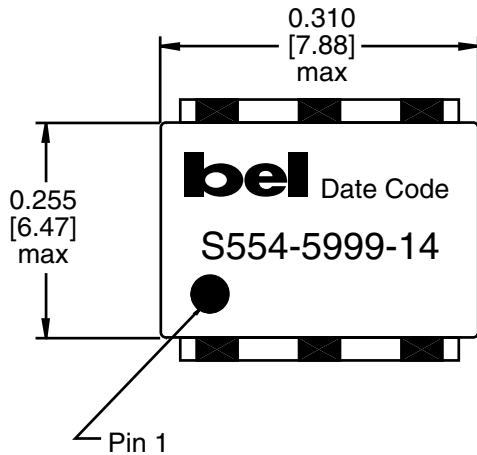
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### MECHANICAL

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