

DROP-IN CIRCULATOR

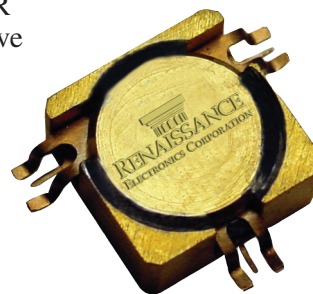
MODEL 3G8BM-1

compact

*“Excellent
transmitter
protection”*

Renaissance Electronics Corporation has developed a unique ultra-small broadband Circulator covering 8.5 to 18.0 GHz. This broadband Circulator offers excellent transmitter protection from return signals and also acts in place of a TR switch for simultaneous transmit and receive operation.

Covering both the X- and Ku-bands in the smallest footprint possible, this industry first dual-band circulator is available as a drop-in package size of 0.25" x 0.25". 3G8BM-1 provides minimum of 14 dB Isolation while handling 4 watts of power.



Characteristics

Frequency Range	8.5-18.0 GHz
Isolation	14 dB
Insertion Loss	1.1 dB
VSWR	1.5:1
Power	4 Watts
Temperature Range	-20°C to +70°C

Market

Military

Features

Benefits

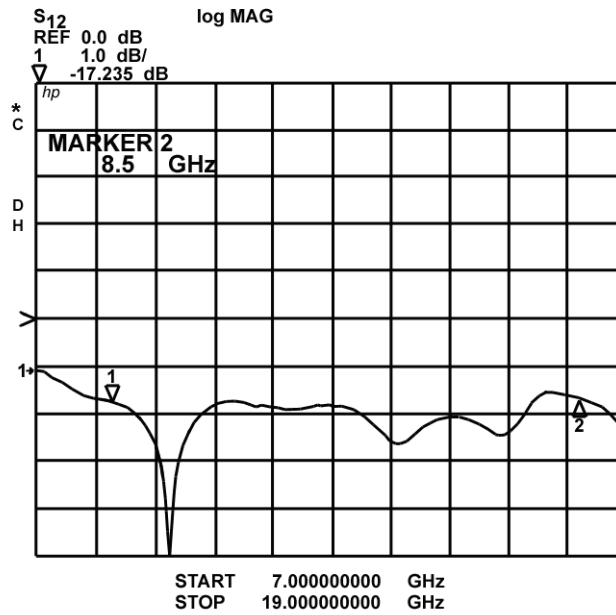
· Compact size	· Compact Footprint of 0.25" x 0.25"
· 8.5-18 GHz	· Dual-Band
· Isolation of 14 dB	· Reduces Noise
· Insertion Loss of 1.1 dB	· Low Noise Figure
· VSWR of 1.5:1	· Low Reflections
· Power of 4 Watts	· Keeps Amplifier in the Linear Range


RENAISSANCE[®]
ELECTRONICS CORPORATION

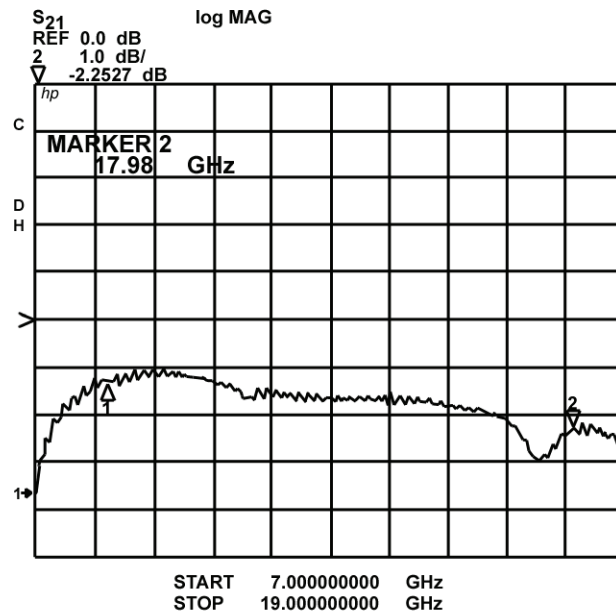
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The New Thinking in Wireless Technology

Plot S12



Plot S21



NOTE: INCLUDES TEST FIXTURE LOSS