ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

660 MHz LC Band Pass Filter

Part Number: AE660B11263

ISO 9001 REGISTERED FIRM

Electrical Specifications

Center Frequency: 660 MHz
0.5 dB Bandwidth: Fo ± 2.0 MHz
3.0 dB Bandwidth: Fo ± 4.0 MHz with ± 0.2 dB Ripple Max
Insertion Loss: 5.0 dB Max at Fo
VSWR: 1.25:1 Max at Fo ± 4.0 MHz
Phase Linearity: ± 3.0° Max at Fo ± 4.0 MHz
Stop Band Rejection:
Offset -15 MHz & +20 MHz of Fo is 10 dB Min
Offset -20 MHz & +30 MHz of Fo is 20 dB Min
Offset -30 MHz & +40 MHz of Fo is 30 dB Min
Offset -40 MHz & +65 MHz of Fo is 40 dB Min
Offset -60 MHz & +90 MHz of Fo is 60 dB Min

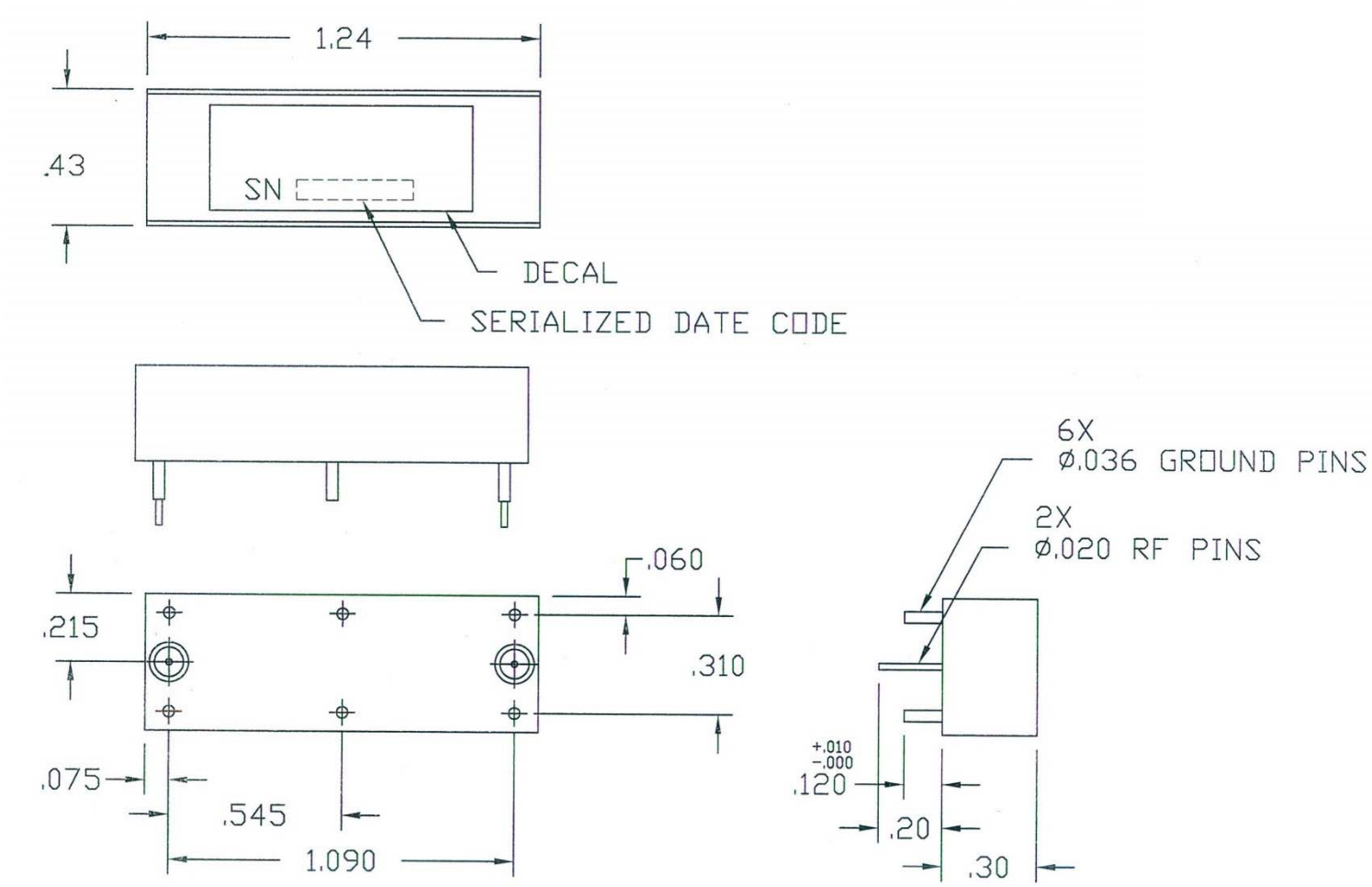
Mechanical

Connector Type: RF Pins
Dimensions: 1.24 x 0.43 x 0.30 Inches

Environmental

Operating Temperature: -30 to +85° C
Storage Temperature: -40 to +95° C
Shock: 20 G. 11 ms
Vibration: 20 G. 5 to 200 MHz

Outline Drawing:



70 Outwater Lane Phone: (973) 772-4242
Garfield, NJ 07026 Fax : (973) 321-3941
Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com

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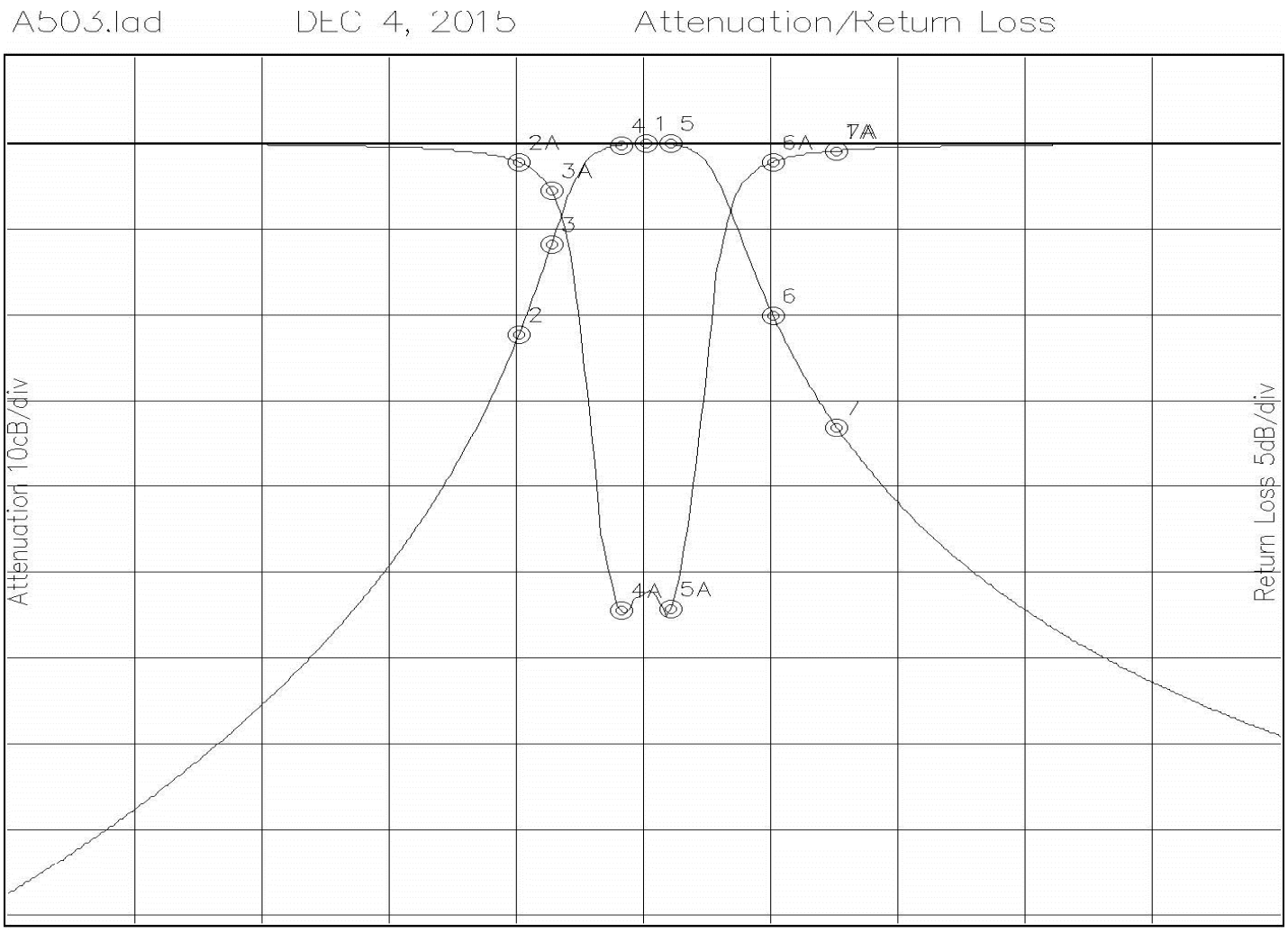
Response Plot:



Attenuation Start: 560.0MHz Stop: 760.0MHz Return Loss Start: 560.0MHz Stop: 760.0MHz

Offset −3.913dB

Marker 1 Freq 660.16MHz Atten 0.092dB
Marker 2 Freq 640.12MHz Atten −22.268dB
Marker 3 Freq 645.29MHz Atten −11.640dB
Marker 4 Freq 656.28MHz Atten −0.126dB
Marker 5 Freq 664.03MHz Atten −0.071dB
Marker 6 Freq 680.19MHz Atten −19.960dB
Marker 7 Freq 690.21MHz Atten −33.016dB

Marker 1A Freq 690.21MHz Ret Loss −0.402dB
Marker 2A Freq 640.12MHz Ret Loss −1.057dB
Marker 3A Freq 645.29MHz Ret Loss −2.711dB
Marker 4A Freq 656.28MHz Ret Loss −27.227dB
Marker 5A Freq 664.03MHz Ret Loss −27.080dB
Marker 6A Freq 680.19MHz Ret Loss −1.040dB
Marker 7A Freq 690.21MHz Ret Loss −0.402dB

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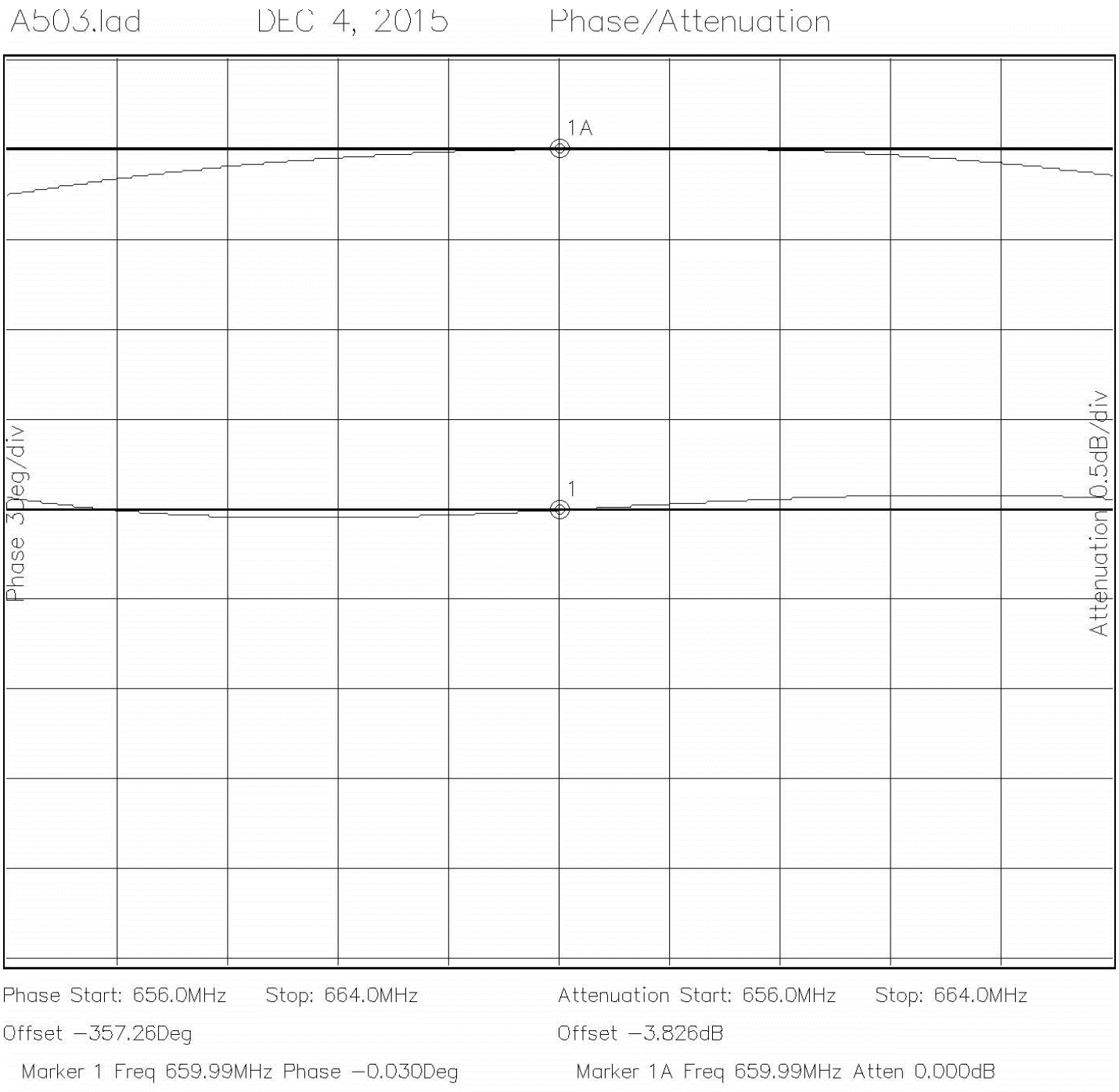
Phase:



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