



Electrical Specifications

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

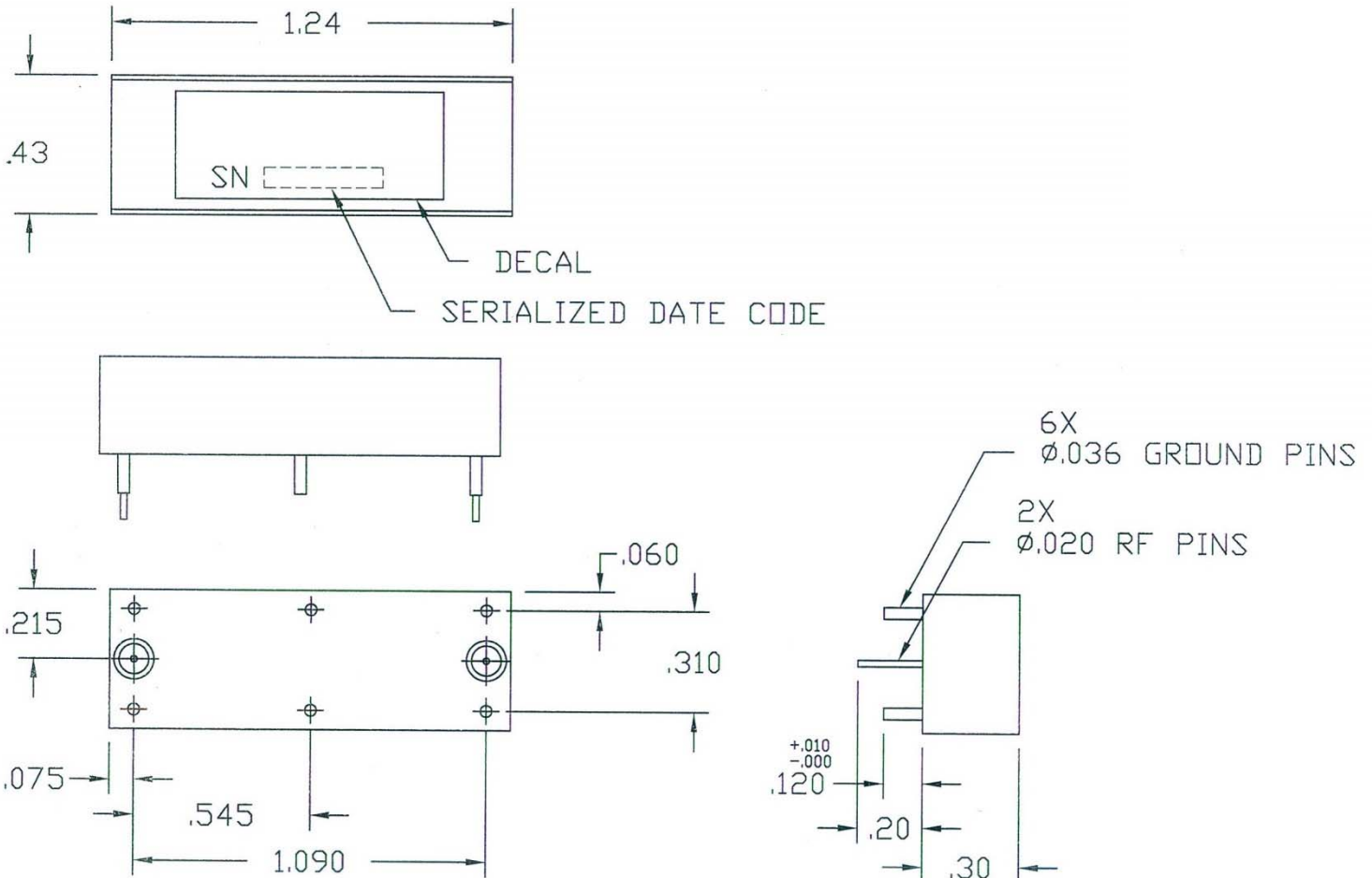
Mechanical

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:



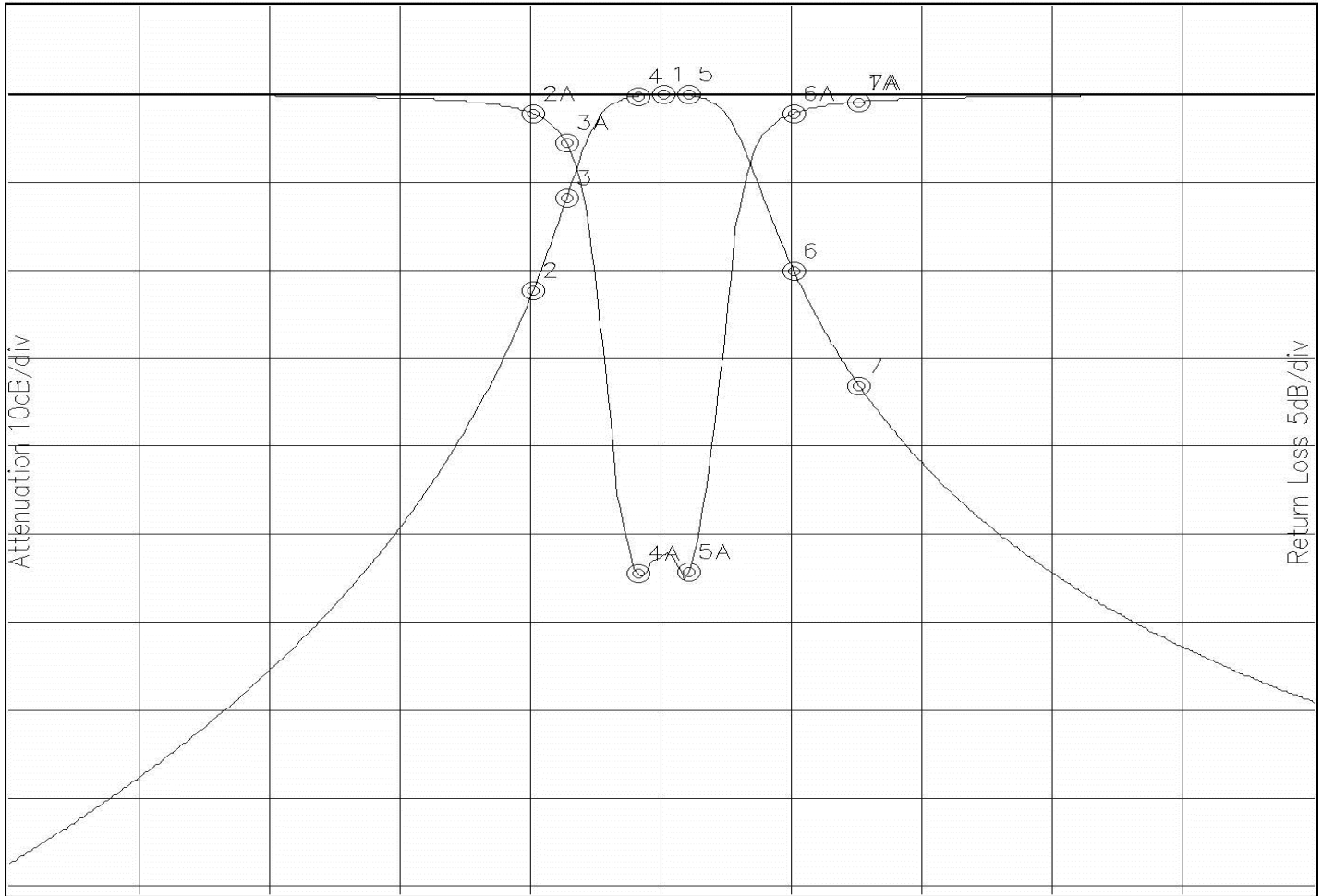


Response Plot:

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Attenuation/Return Loss



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



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

660 MHz LC Band Pass Filter

Part Number: AE660B11263

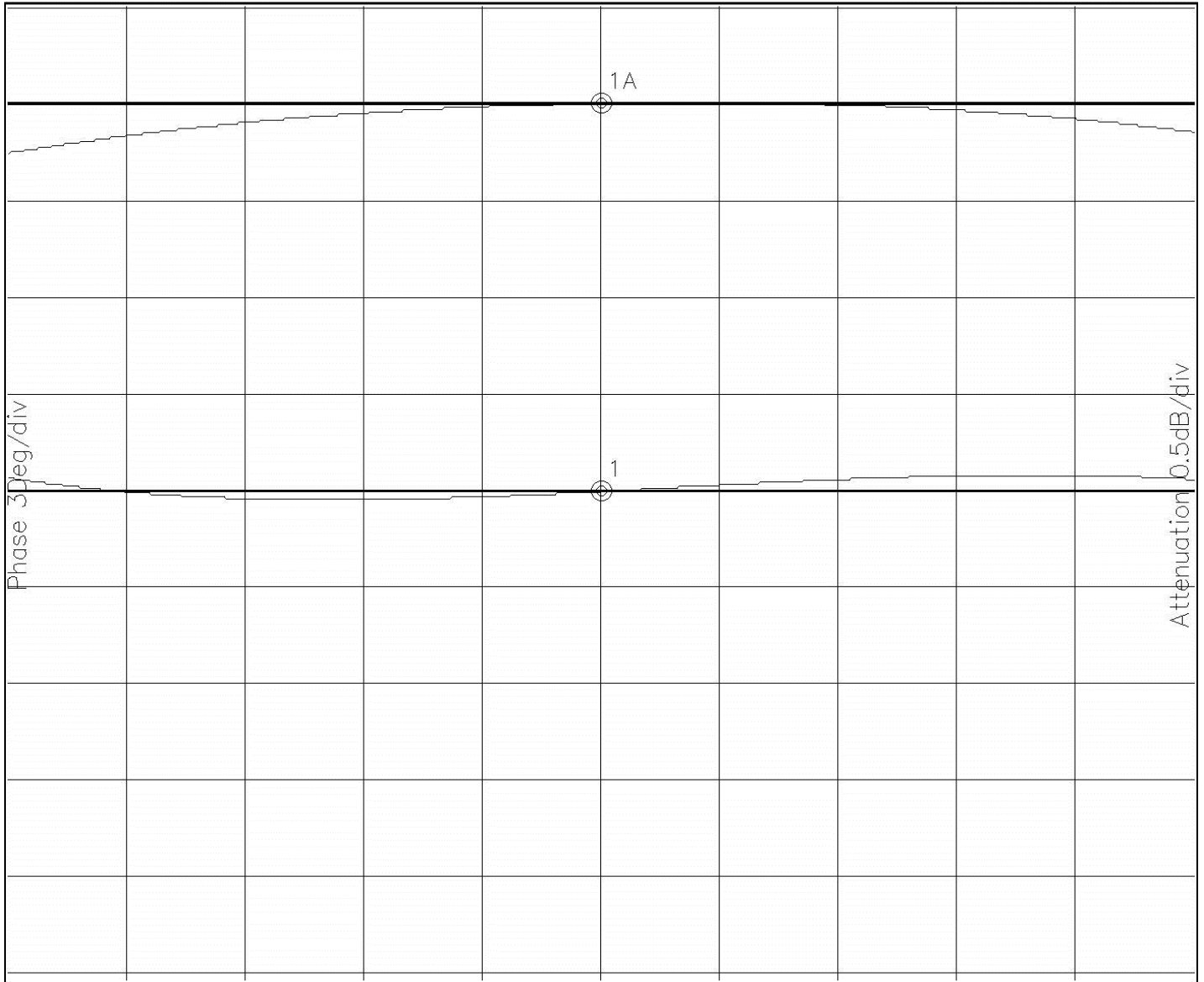


Phase:

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Phase/Attenuation



Phase Start: 656.0MHz Stop: 664.0MHz

Attenuation Start: 656.0MHz Stop: 664.0MHz

Offset -357.26Deg

Offset -3.826dB

Marker 1 Freq 659.99MHz Phase -0.030Deg

Marker 1A Freq 659.99MHz Atten 0.000dB