



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

437 MHz LC Bandpass Filter

Part Number: AE437B5320



Electrical Specifications

Center Frequency: 437 MHz
1.5dB Passband: 326 MHz to 525 MHz
VSWR: 1.5:1
Rejection: $\geq 50\text{dB}$ @ 0-244 MHz
Rejection2: $\geq 50\text{dB}$ @ 552 MHz to 1050 MHz
Rejection3: $\geq 35\text{dB}$ @ 1051 MHz to 3000 MHz
Impedance: 50 Ohms

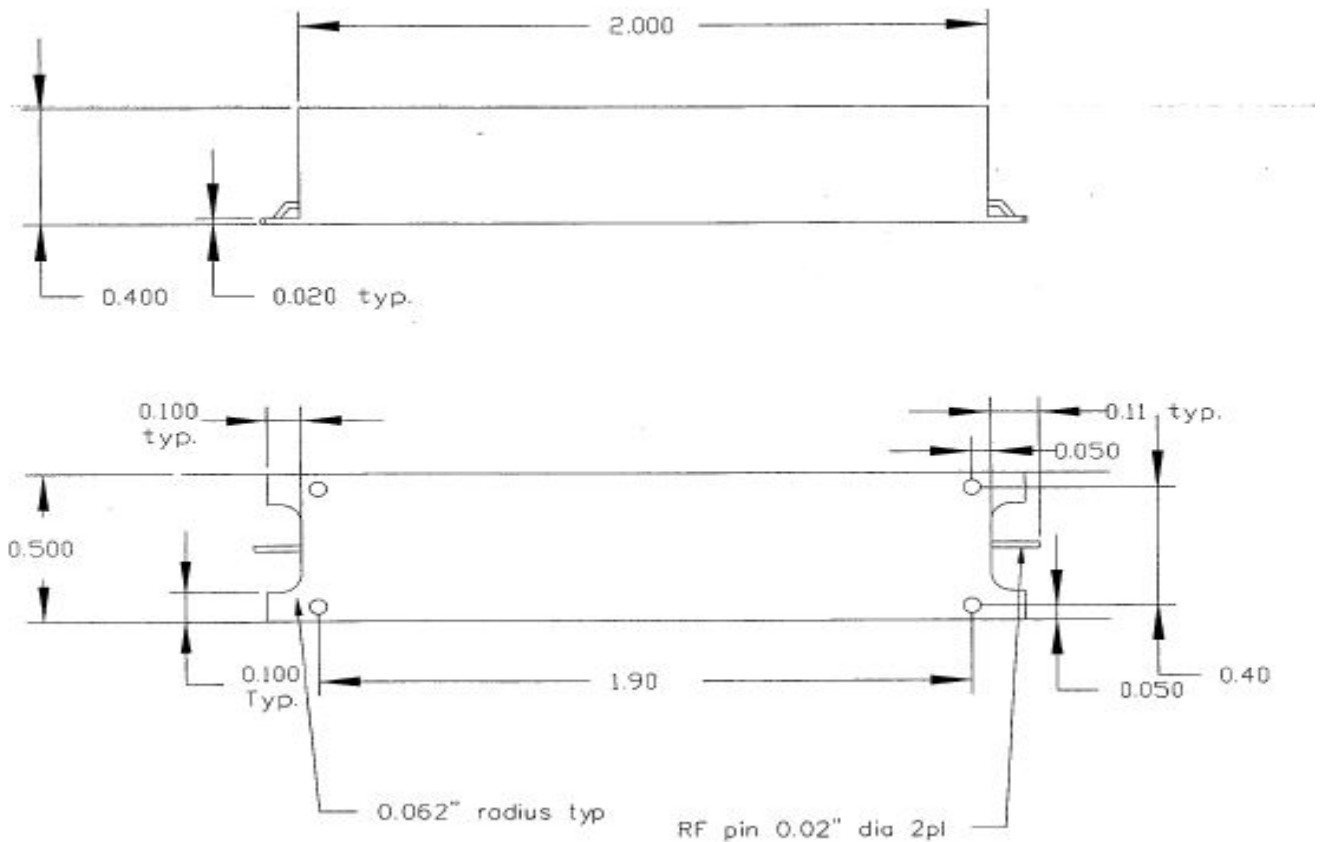
Mechanical

Connector Type: Surface-Mount
Dimensions: 2.0" x 0.5" x 0.4" in.

Environmental

Operating Temperature: -25°C to $+70^{\circ}\text{C}$
Storage Temperature: -40°C to $+90^{\circ}\text{C}$
Shock: 10 G. 11ms
Vibration: 10 G. 5 to 200Hz

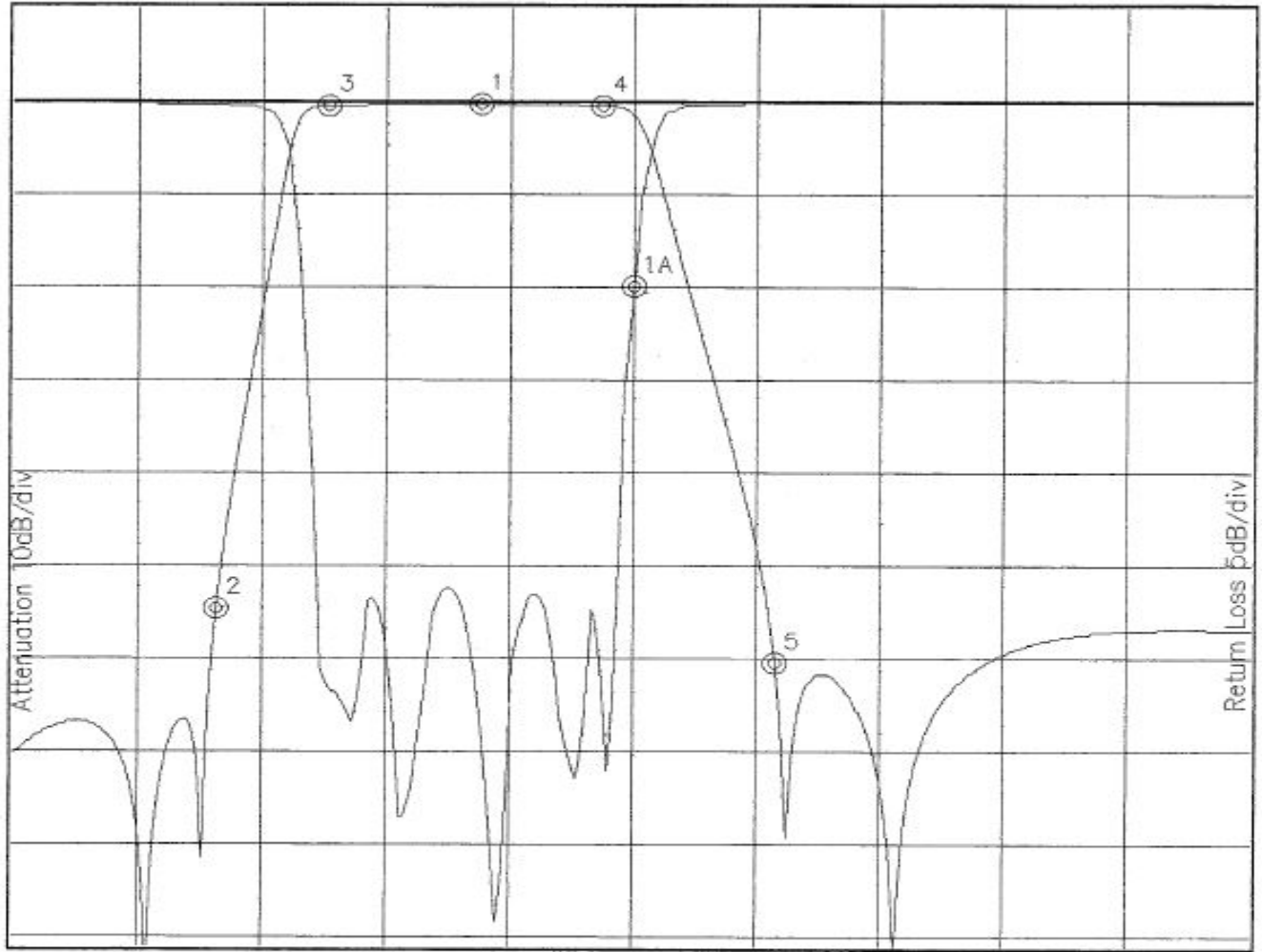
Outline Drawing:





Response Plot:

B5320.lad NOV 1, 1999 Attenuation/Return Loss



Attenuation Start: 100.0MHz Stop: 1000.0MHz Return Loss Start: 100.0MHz Stop: 1000.0MHz

Marker 1 Freq 437.31MHz Atten -0.244dB
Marker 2 Freq 245.39MHz Atten -54.378dB
Marker 3 Freq 326.81MHz Atten -0.463dB
Marker 4 Freq 526.01MHz Atten -0.413dB
Marker 5 Freq 652.50MHz Atten -60.225dB

Marker 1A Freq 549.27MHz Ret Loss -9.930dB