



869-894 MHz Notch/Bandpass Duplexer For GSM Downlink

Part Number: AE881-881DB5388



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Electrical specifications

Bandpass Section

Passband: 869-894 MHz

Bandwidth: 25 MHz

Insertion Loss in Pb: 2.5 dB Max

Return Loss in Pb: 14 dB Min

Rejection: >58 dB @ 860-903 MHz

Notch Section

Notch Freq: 869-894 MHz

Rejection @ Notch Freq: 45.0 dB Min

Notch Bandwidth: 25 MHz

Start of Pb (Low Side): 860 MHz

Start of Pb (High Side): 903 MHz

Return Loss in Pb: 10 dB Min

Rejection: >41 dB @ 869-894 MHz

Mechanical

Connector Type: DIN (7/16) Connectors

Dimensions: 15.36 x 6.71 x 1.5 Inches

Environmental

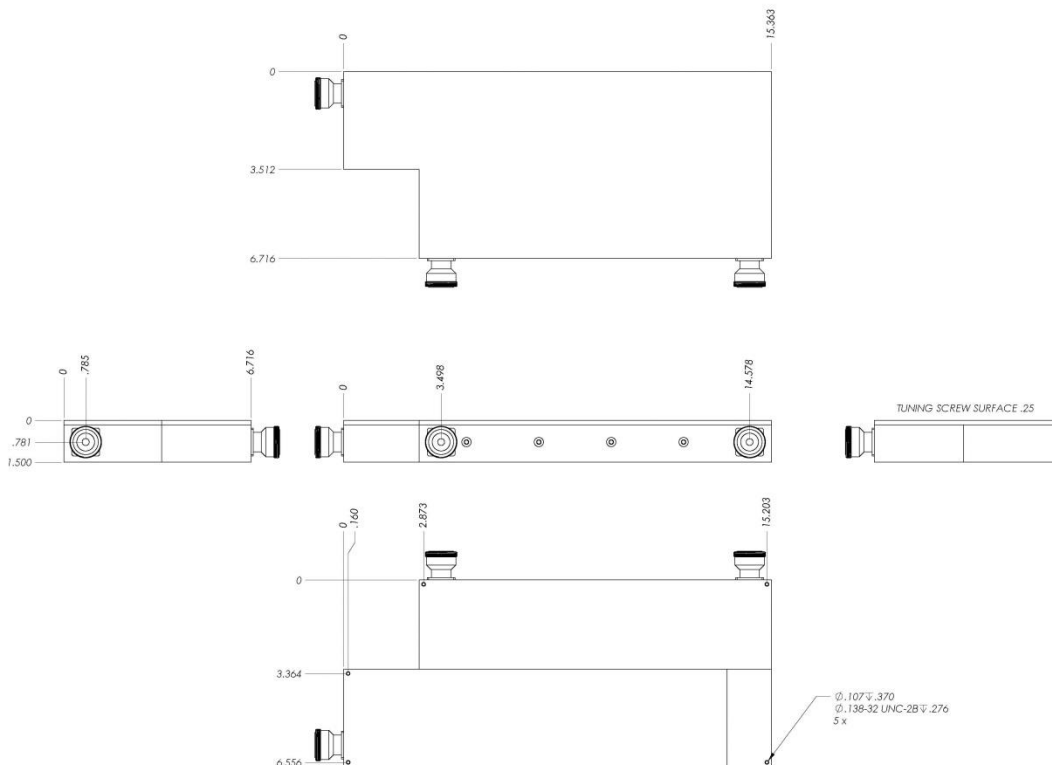
Operating Temperature: -45 to +85° C

Storage Temperature: -65 to +95° C

Shock: 20 G, 11 ms

Vibration: 10 G, 10 to 2000 Hz

Outline Drawing:





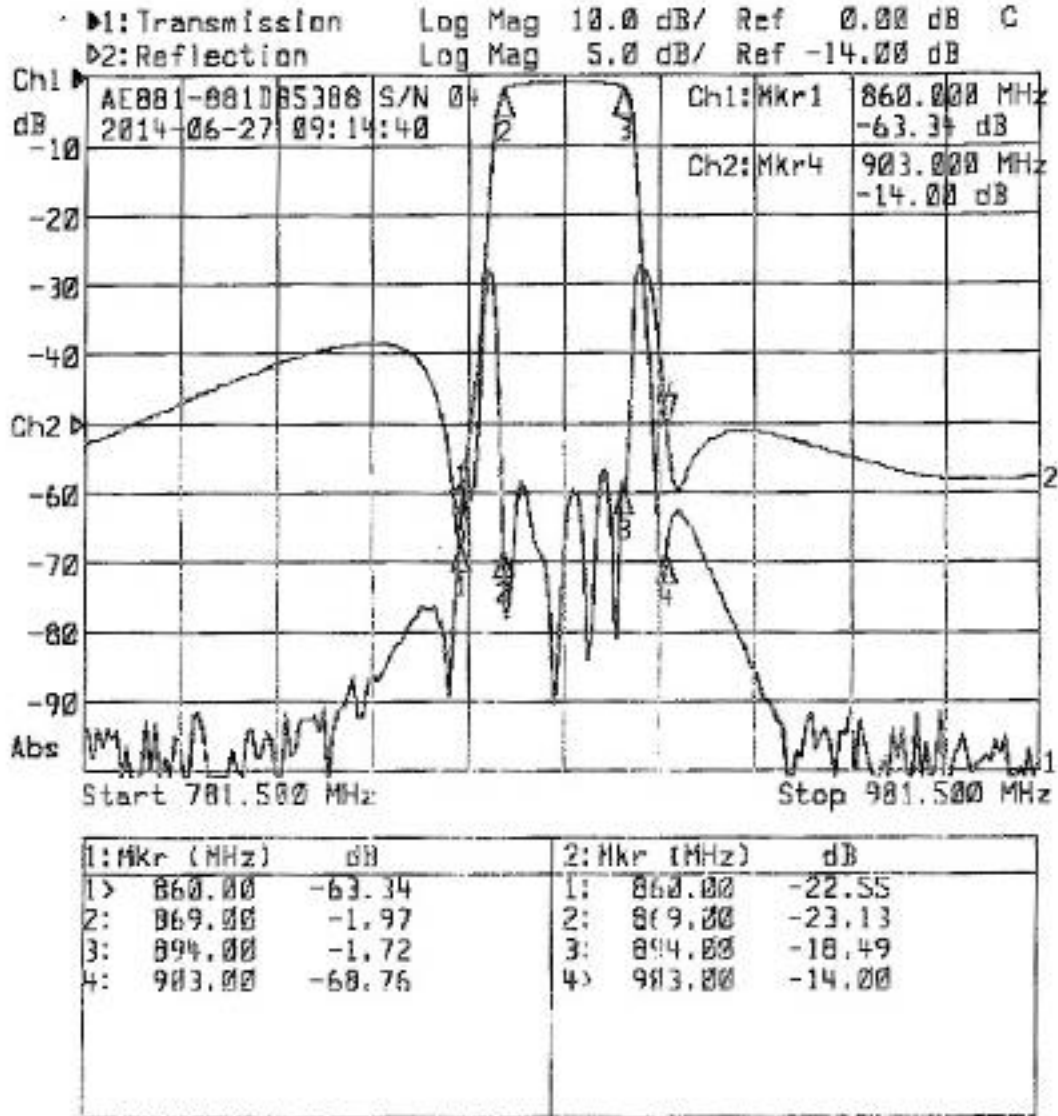
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Passband Plot:





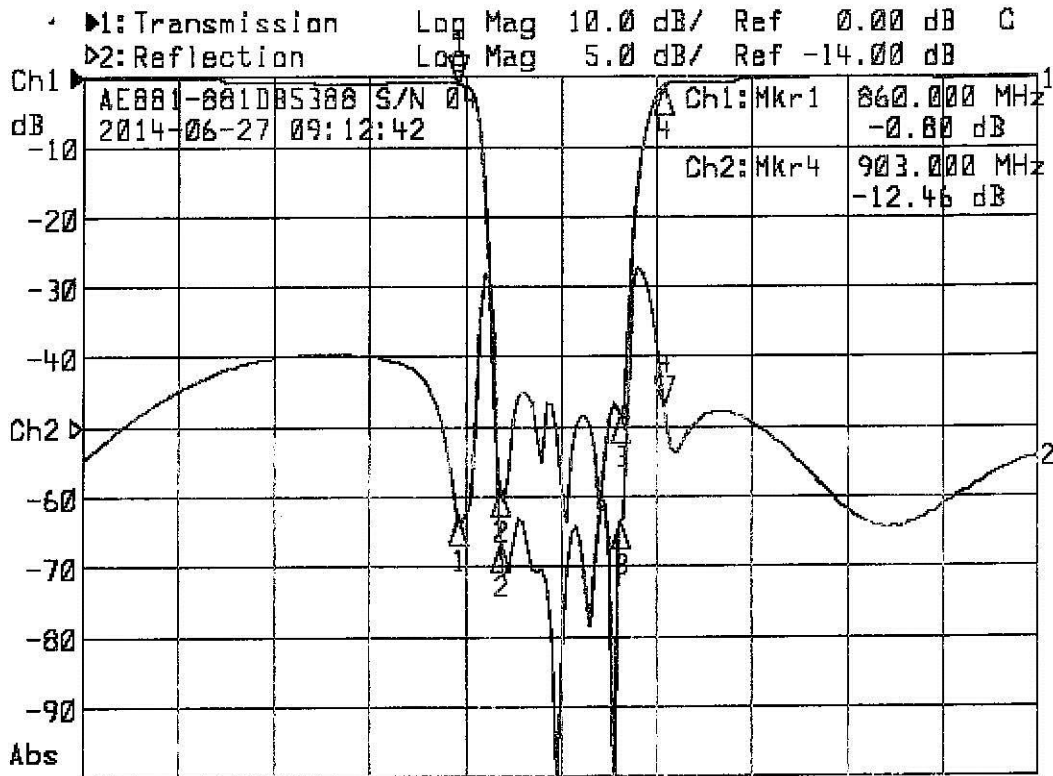
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Notch Plot:



Start 781.500 MHz

Stop 981.500 MHz

1: Mkr (MHz)	dB	2: Mkr (MHz)	dB
1> 860.00	-0.80	1: 860.00	-20.34
2: 869.00	-58.83	2: 869.00	-22.24
3: 894.00	-48.23	3: 894.00	-20.65
4: 903.00	-1.20	4> 903.00	-12.46