



DW9230/30-1

35.42MHz SAW FILTERS FOR GLOBAL POSITIONING SYSTEMS

The DW9230/30-1 SAW filters have been specifically developed to be compatible with the GPS1010 Global Positioning Receiver Front End IC also available from GEC Plessey Semiconductors. The devices provide 'off-chip' 2nd stage IF filtering for the GPS1010 Front End Receiver used in professional, commercial and consumer Global Positioning Systems.

FEATURES

- Centre Frequency 35.42MHz
- Insertion Loss 17dB ±1dB
- 1dB Bandwidth 1.8MHz Typical
- Passband Ripple 0.5dB Typical
- Phase Ripple 2° Typical
- Operating temperature range: -55°C to +85°C (professional)
0°C to +70°C (commercial)
- Hermetically Sealed 5 pin TO8 Package
(alternatives available upon request)

APPLICATION

Military and Civil GPS

ELECTRICAL CHARACTERISTICS

Centre Frequency	35.42MHz (@ 15°C)
Filter Passband	34.62MHz to 36.22MHz
1dB Bandwidth	1.8MHz Typ.
Passband Insertion Loss	17dB ±1dB
Passband Ripple	0.5dB p-p Typ.
Phase Ripple	2° Typ.
Input Voltage	3V Pk Max.

Operating Temperature:

Professional Grade (DW9230)	-55°C to +85°C
Commercial Grade (DW9230-1)	0°C to 70°C

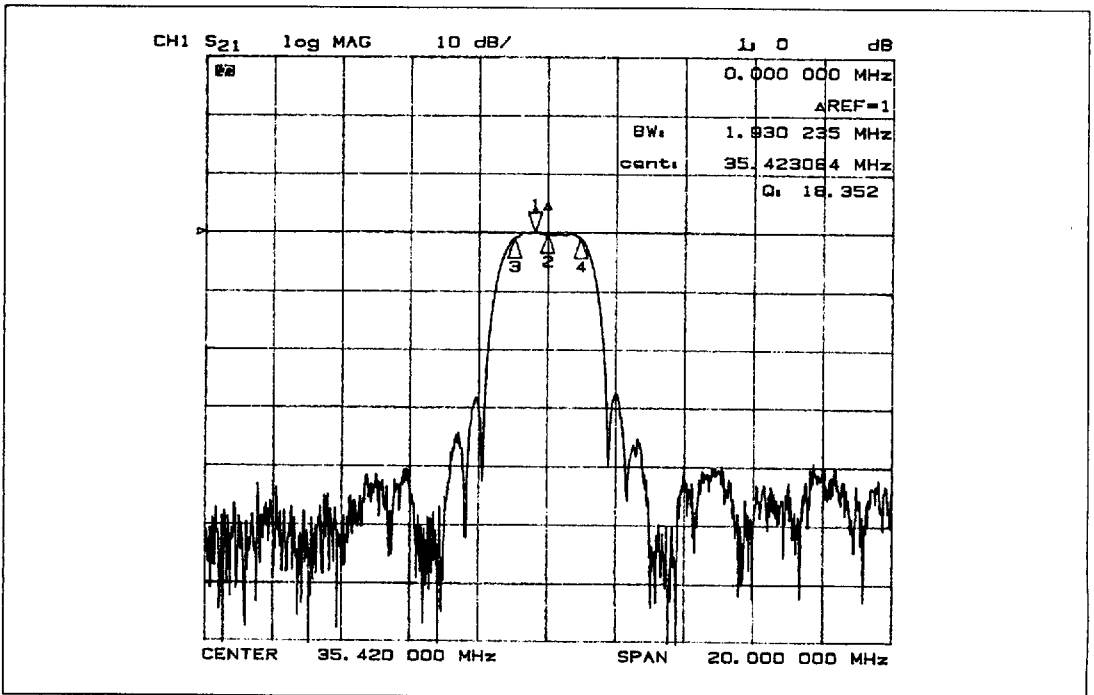


Figure 1: Typical Device Plot

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PIN AND PACKAGE DETAILS

