

The DW9241 has been specifically developed for the Personal Communications market, where the 1st I.F. stage filter is typically in the 60 to 80MHz range.

The filter is realised on ST-Quartz, using Uni-directional Transducer technology, which provides excellent insertion loss, and temperature stability.

The unique design obviates the need for distinct Roof & Channel filters, usually required to achieve a low shape factor, with maximum bandwidth. The filters can be used in single or cascade format, and are available in a low profile, leadless, surface mount package, which is compatible with most modern manufacturing techniques.

FEATURES

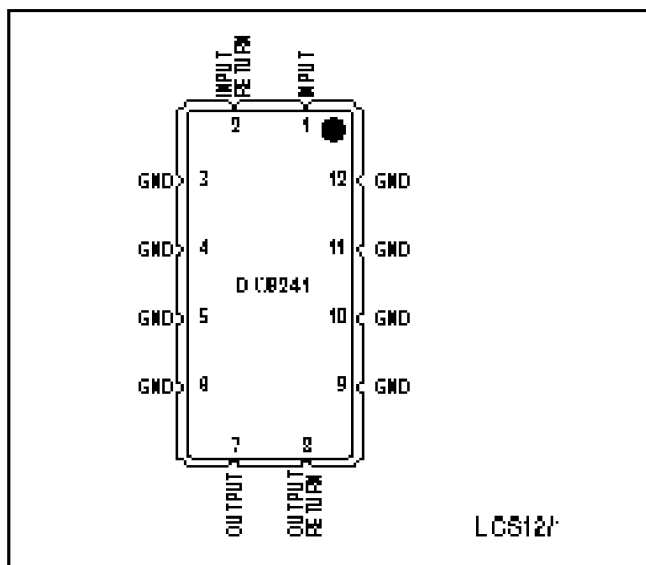
- 78.8125MHz Centre Frequency (f_0)
- Low Insertion Loss (<6dB Single <12dB Cascade)
- Excellent Sidelobe Suppression
- Low Profile, Leadless Surface Mount Package
- Hermetically Sealed Package

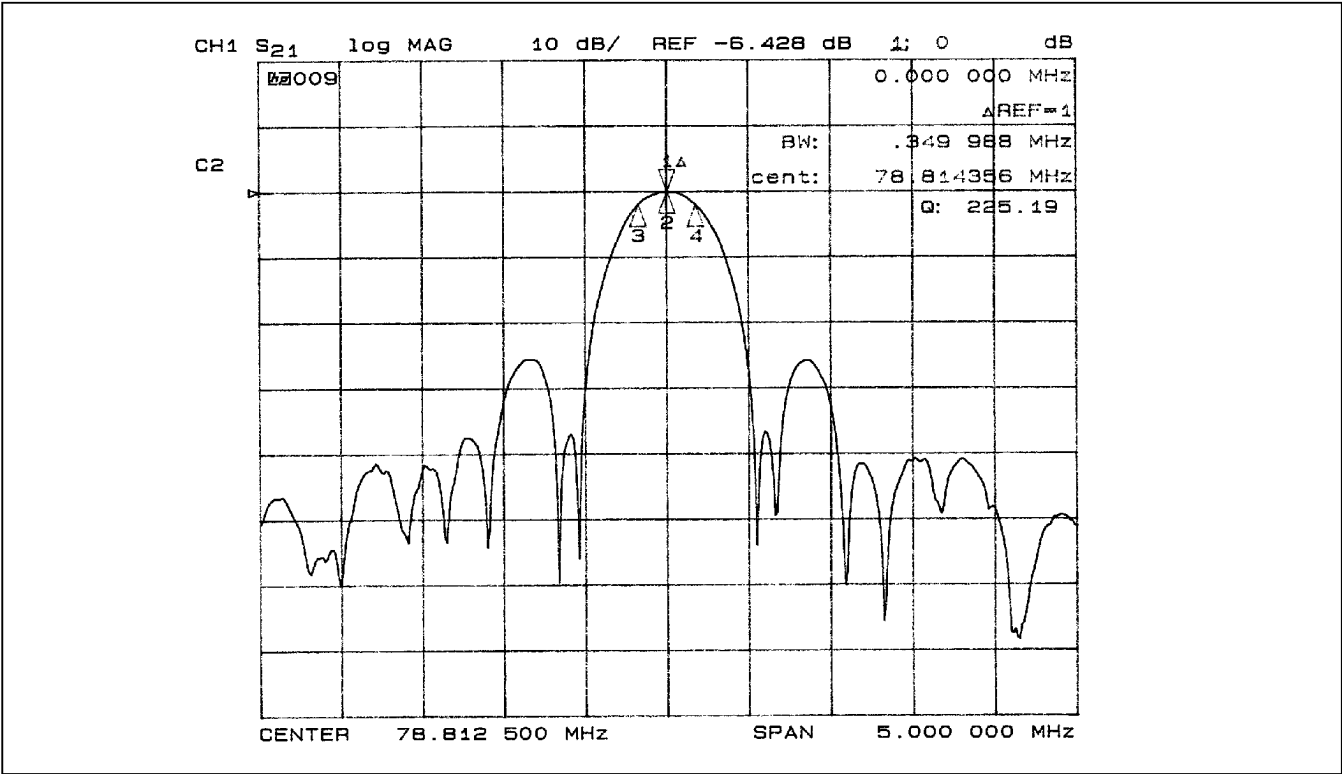
ABSOLUTE MAXIMUM RATINGS

DC Voltage VDC 0V
Input Power Max. PIN 10dBm

ORDERING INFORMATION

DW9241





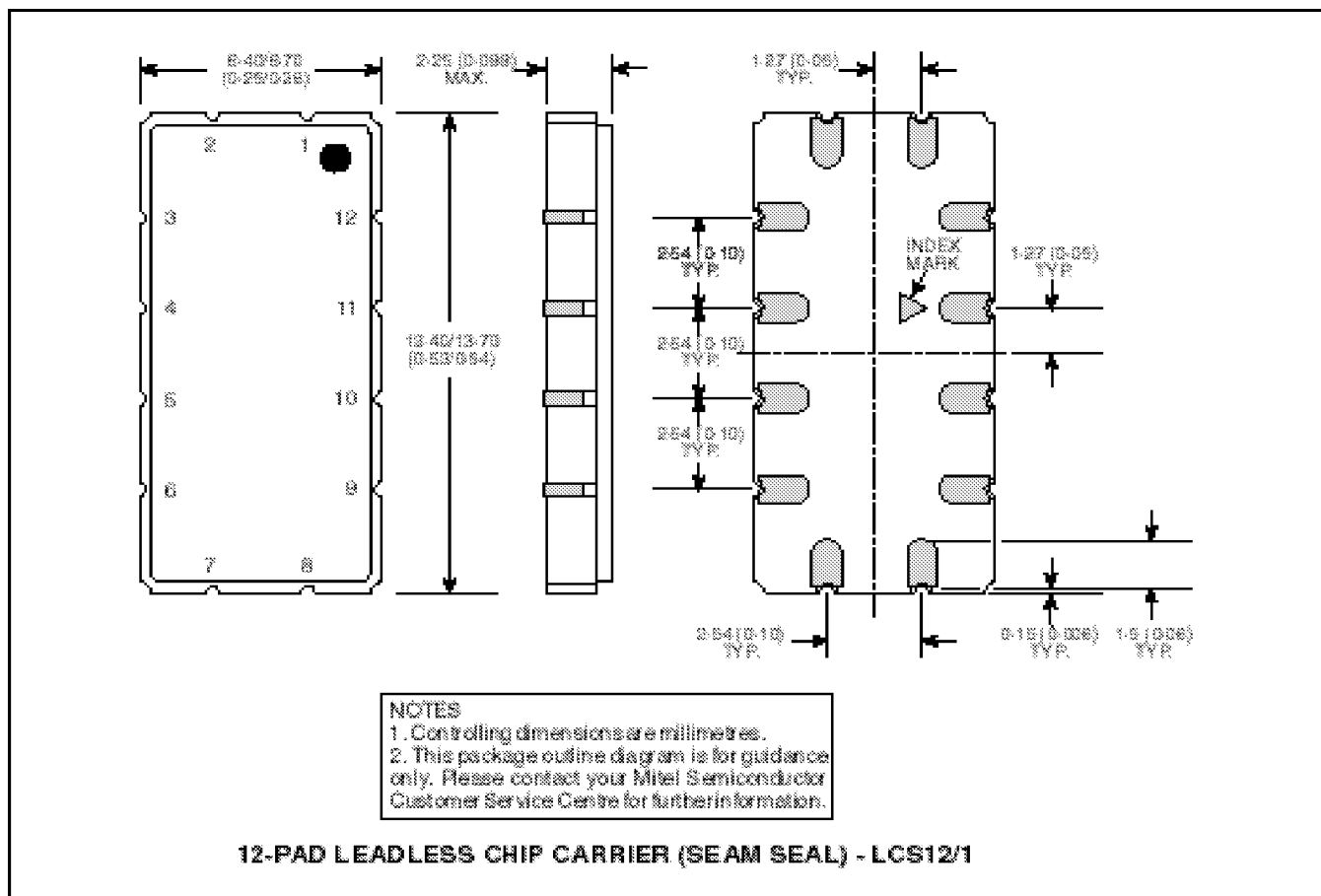
ELECTRICAL CHARACTERISTICS

Parameter	Value	Units
Centre Frequency (f_0)	78.8125	MHz
Passband	±85 (Min)	kHz
Insertion Loss	< 6	dB
Passband Ripple	0.5 (Max)	dB
Group Delay	< 0.5	µs
Stopband Rejection: $f_0 \pm 200\text{kHz}$	> 2	dB
$f_0 \pm 400\text{kHz}$	> 12	dB
$f_0 \pm 600\text{kHz}$	> 20	dB
$f_0 \pm 800\text{kHz}$	> 20	dB
-1.625MHz (BW = 200kHz)	> 40	dB
Ultimate Rejection (±1MHz ~ ±25MHz)	> 30	dB
Operating Temperature	-20 to +85	dB

DW9241

PACKAGE DETAILS

Dimensions are shown thus: mm (in). For further package information, please contact your local Customer Service Centre.



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