

DW9262

222.91MHz SAW IF FILTER FOR DECT PERSONAL COMMUNICATIONS

A 222.91MHz SAW filter developed for DECT applications where a single down conversion radio architecture is required. The filter is based on ST-Quartz, which gives excellent temperature stability and low Group Delay Ripple ($\pm 100\text{ns}$ max.)

The latest, low profile ceramic surface mount package technology has been used for this device.

ELECTRICAL CHARACTERISTICS

Parameter		Units
Centre Frequency (F_0)	222.91	MHz
-3dB Bandwidth	± 576	kHz
Group Delay Ripple ($F_0 \pm 576$ kHz)	± 100	ns
Insertion Loss (target < 8dB)	< 15	dB
Stopband Attenuation:		
$F_0 \pm 1.152$ MHz	> 15	dB
$F_0 \pm 1.728$ MHz	> 40	dB
$F_0 \pm 3.556$ MHz	> 45	dB
$F_0 \pm 5$ MHz	> 50	dB
Amplitude Ripple (pk to pk)	± 0.25	dB
Operating Temperature Range	-20 to +85	°C

