

# Low Loss SAW 141 MHz Filter

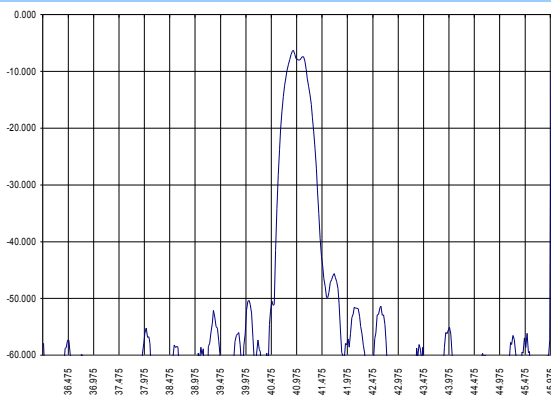
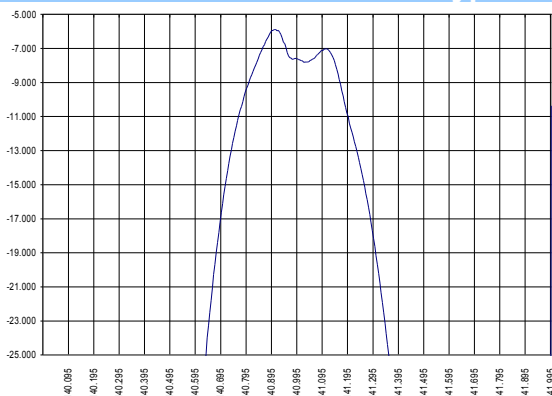
Bandwidth 0.35 MHz

Part Number M080-141M1

Complies with Directive 2002/95/EC (RoHS)

PRELIMINARY DATA

## Typical performance



## Specifications

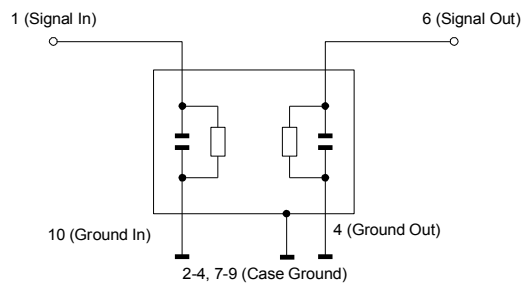
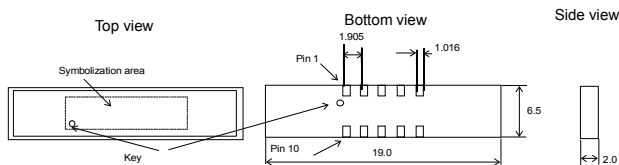
Parameter	Unit.	Min	Typ	Max
Central frequency	MHz	141	141	141.02
Inserted loss	dB	-	6.0	6.5
Bandwidth @-3 dB	MHz	0.34	0.35	-
Bandwidth @-40 dB	MHz	-	1.0	1.02
Amplitude ripple*	dB	-	0.4	0.5
Phase ripple	deg	-	8	-
Ultimate rejection	dB	39	40	-
Substrate		-	YX+36 Quartz	-
Temperature range	°C	-20	-	45

### Notes:

1. The design, manufacturing process, and specifications of this filter are subject to change.
2. Specification valid for measurements in Microsaw test fixture.

## Case

## Matching



$Z_{in} = Z_{out} = 50 \text{ Ohm}$   
 Parallel inductor 27 nH and series capacitor 6.2 pF at the input port  
 Parallel inductor 51 nH and series capacitor 6.2 pF at the output port

