

Low Loss SAW 48.384 MHz Filter

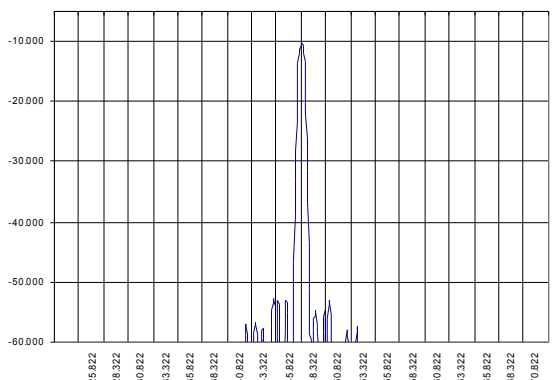
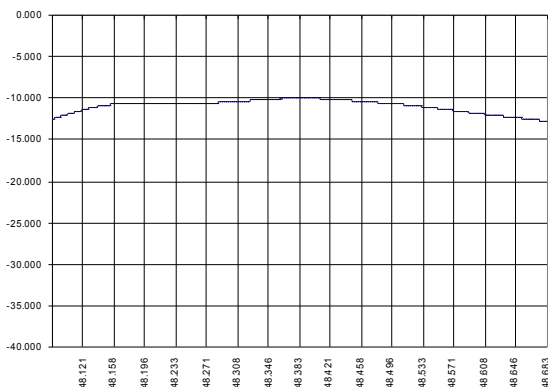
Bandwidth 0.45 MHz

Part Number A280-48.384M1

Complies with Directive 2002/95/EC (RoHS)

PRELIMINARY DATA

Typical performance



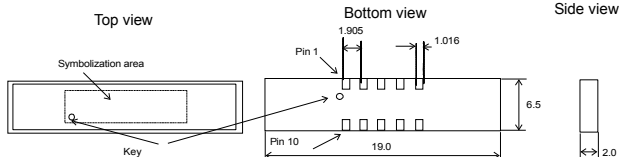
Specifications

Parameter	Unit	Min	Typ	Max
Central frequency	MHz	48.360	48.384	48.410
Inserted loss (matched)	dB	9.5	10	10.5
Bandwidth @-2dB	MHz	-	0.45	0.5
Bandwidth @-40dB	MHz	-	1.58	1.6
Amplitude ripple	dB	-	0.7	1
Substrate	-	-	36q	-
Temperature range	°C	-55	22	85

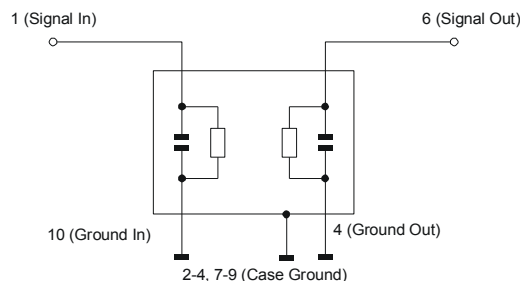
Notes:

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

Case



Matching



$Z_{in}=Z_{out}=50 \text{ Ohm}$
 Series capacitor 300 pf and parallel inductor 220nHr at the output port

