

Low Loss SAW 668 MHz Filter

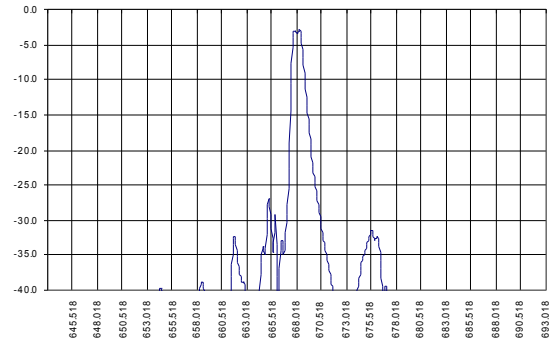
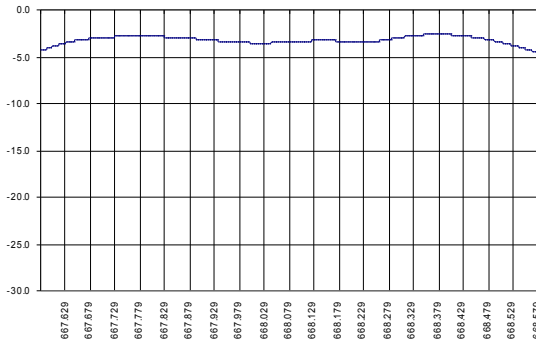
Bandwidth 0.85 MHz

Part Number M070-668M1

Complies with Directive 2002/95/EC (RoHS)

PRELIMINARY DATA

Typical performance



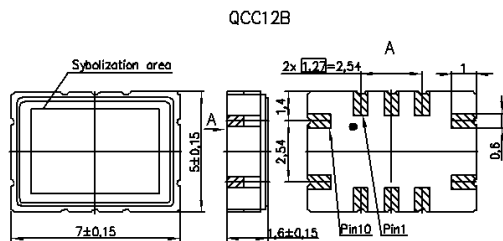
Specifications

Parameter	Unit	Min	Typ	Max
Central frequency	MHz	667.90	668.00	668.15
Inserted loss (unmatched)	dB	2.7	3.5	4.0
Bandwidth @-1dB	MHz	0.80	0.85	-
Bandwidth @-20dB	MHz	2.3	2.4	2.7
Amplitude ripple	dB	0.5	0.8	1.0
IL variation over temperature range	dB	-	1.2	-
Ultimate rejection	dB	-	35	-
Substrate	-	-	36YX Quartz	-
Temperature coefficient	-	-	$60 \times 10^{-9} / ^\circ\text{C}^2$	-
Turnover temperature	$^\circ\text{C}$	20	33	40
Temperature range	$^\circ\text{C}$	-55	22	85

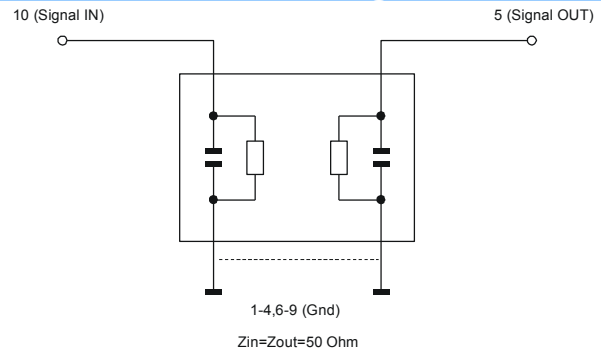
Notes:

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

Case



Matching



Matching: series inductor 12 nH and parallel capacitor 3.9 pF at input/output port