

LOW LOSS SAW 75 MHz Filter

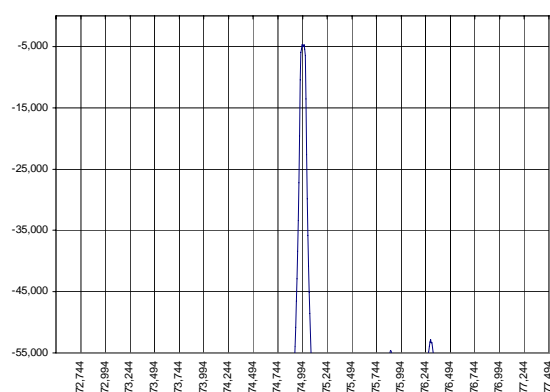
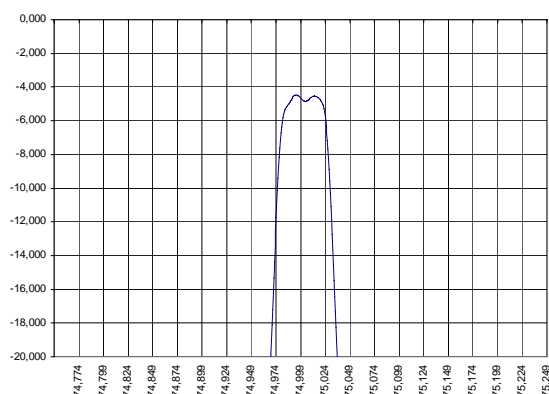
Bandwidth 0.040 MHz

AEC Part Number A145-75M2

Complies with Directive 2002/95/EC (RoHS)

PRELIMINARY DATA

Typical performance



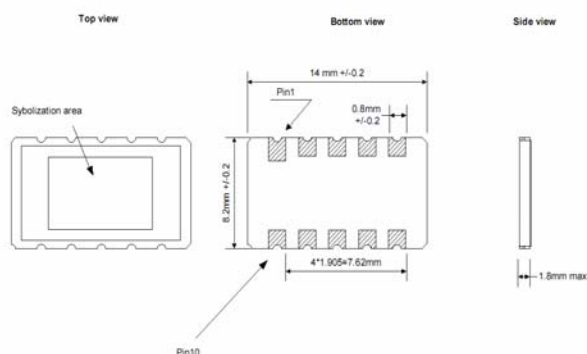
Specifications

Parameter	Unit	Min	Typ	Max
Central frequency	MHz	74.990	75.000	75.010
Inserted loss (matched)	dB	-3.5	-4.5	-5.5
Bandwidth @-1dB	MHz	0.037	0.040	0.043
Bandwidth @-3dB	MHz	0.043	0.046	0.050
Bandwidth @-50dB	MHz	0.145	0.15	0.16
Amplitude ripple	dB	-	0.5	1
Substrate			37Q	
Temperature range	$^{\circ}\text{C}$	-55		85

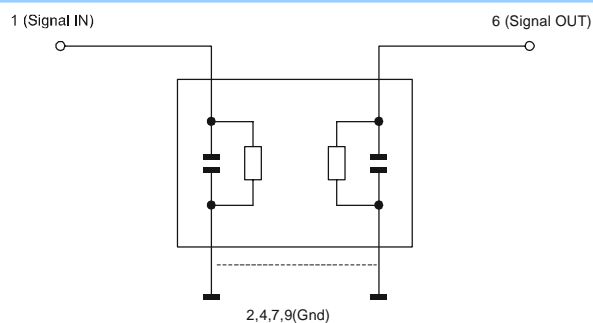
Notes:

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

Case



Matching



input/output matching: series inductor - 390nH ($Q=45$), parallel capacitor 4-30 pF on input port, series inductor - 270nH ($Q=45$), parallel capacitor 4-30 pF on output port