

48 MHz SAW Filter  
 Bandwidth 0.7 MHz

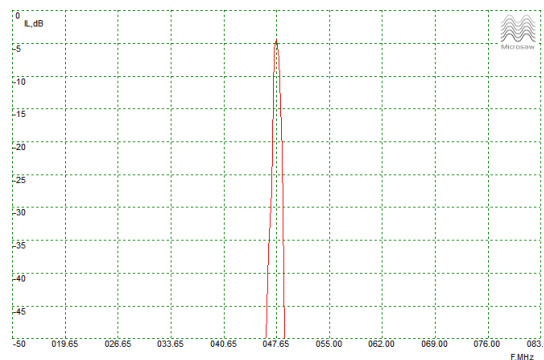
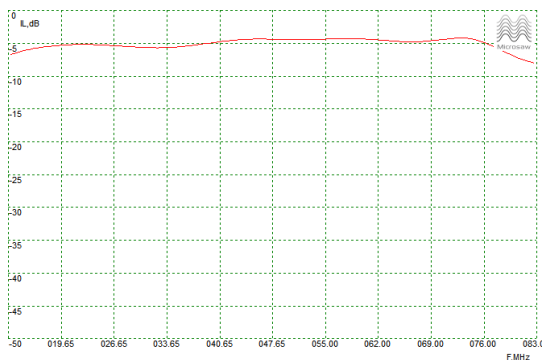
**Features**

- Low Loss
- Small package
- High stability
- Low cost



PRELIMINARY DATA

Typical Performance



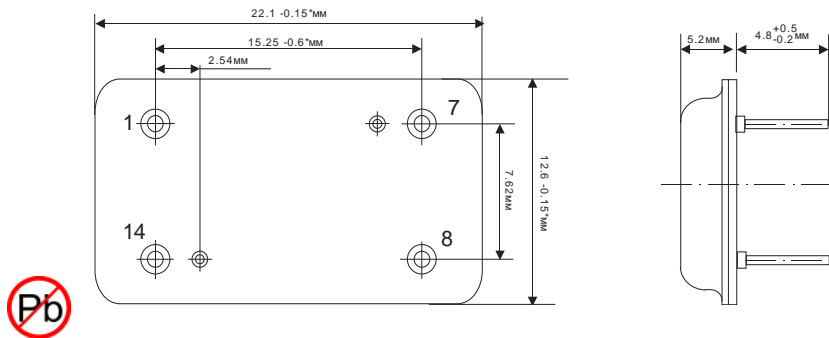
Electrical Specification

Parameter	Unit	Min	Typ	Max
Central frequency	MHz	47.9	48	48.1
Inserted loss (unmatched)	dB	-	4.3	-
Bandwidth @--2 dB	MHz	0.65	0.7	-
Bandwidth @--30 dB	MHz	-	1.8	-
Amplitude ripple	dB	-	1.5	-
Ultimate rejection	dB	-	50	-

Notes

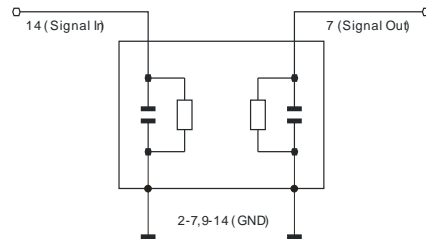
Microware reserves the right to make changes to the product and corresponding product specifications without notice. All data is valid for measurements in Microware's test fixture under Measurement Conditions: Ambient Temperature 22 °C, Input Power 0 dBm, Input/Output Impedance 50 Ohm

Package



## Matching Circuit

$Z_{in} = Z_{out} = 50 \text{ Ohm}$   
 No matching required



## Additional Information

Temperature range    -55.. + 85C  
 Substrate            128LNO  
 Package              DIP14  
 Complies with Directive 2002/95/EC (RoHS)

## Important Warnings

Electric Sensitive Device  
 See soldering chart before using  
 See frequency shifts depending on temperature

## Links to Technical Information

Soldering profile: [www.microsaw.fi/pdf/soldering-chart.pdf](http://www.microsaw.fi/pdf/soldering-chart.pdf)  
 Frequency shifts: [www.microsaw.fi/pdf/frequency-shifts-table.pdf](http://www.microsaw.fi/pdf/frequency-shifts-table.pdf)

## Links to Company Information

Services: [www.microsaw.fi/serviceandprices.php](http://www.microsaw.fi/serviceandprices.php)  
 Contacts: [www.microsaw.fi/contacts.php](http://www.microsaw.fi/contacts.php)