



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

69 MHz Saw Filter for CDMA Base Station

Part Number: AM69S741



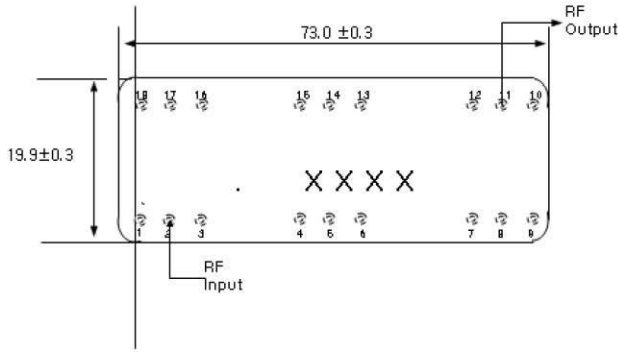
Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	69.99	-
Insertion Loss at Fo	dB	-	20.6	22.0
Phase Linearity at Fo ± 0.6 MHz	°	-	8.0	10.0
Passband Ripple at Fo ± 0.6 MHz	dB	-	0.7	0.8-
Lower 1.5 dB Point at Fo – 1.5 dB	MHz	-	69.352	69.36
Upper 1.5 dB Point at Fo + 1.5 dB	MHz	70.62	70.64	-
Lower 35 dB Point at Fo – 35 dB	MHz	69.24	69.251	-
Upper 35 dB Point at Fo + 35 dB	MHz	-	70.727	70.74
Attenuation:				
Fo + 0.9 MHz	dB	55	56	-
Fo – 0.9 MHz	dB	55	57	-
Ultimate Rejection at 59.0 ~ 69.0 MHz	dB	48	52	-
Ultimate Rejection at 70.8 ~ 80.8 MHz	dB	48	52	-
Return Loss Input at Fo ± 0.6 MHz	dB	14	29	-
Return Loss Output at Fo ± 0.6 MHz	dB	14	18	-

Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (Single Ended) ₁	Ω	-	50	-
Load Impedance (Single Ended) ₁	Ω	-	50	-
Package Size and Type	73.0 x 19.9 x 4.9 mm			

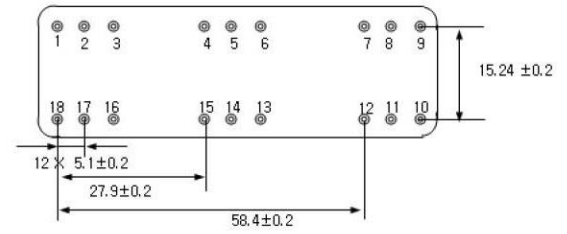


Outline Drawing:

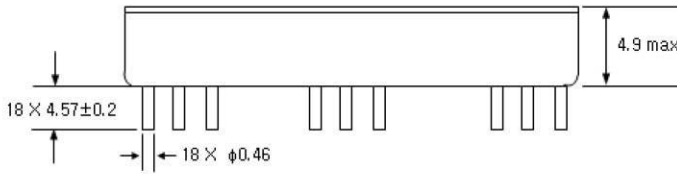
1) Top view



3) Bottom view



2) Side view

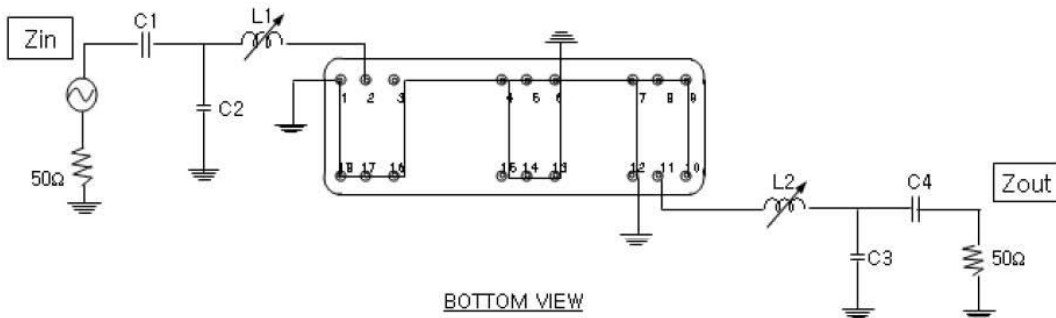


Terminal Connection:

2	Input +
11	Output +
1 3 4 5 6 7 8 9 10 12 13 14 15 16 17 18	Case Grounded

Testing Environment :

- 50Ω Single-ended.



BOTTOM VIEW

C1: 20pF, C2: 39pF, C3: 15pF, C4: 9pF, L1, L2: 225 ± 5%

Zin, Zout = 50Ω



Frequency Response:

S21 Insertion Loss & 1.5, 35 dB Limit Frequency and Ripple

