

SF1591A

High rejection SAW-Filter for GLONASS Receiver

This product is lead-free in compliance with RoHs 2002/95/EC.

Test Conditions:

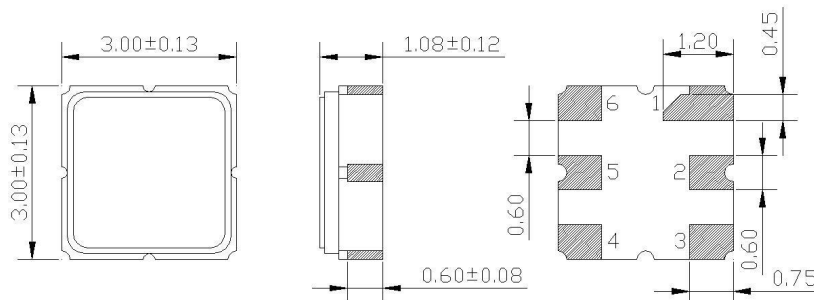
RF power	0 dBm
Temperature	23 °C
DC Voltage	0 V
Terminating source impedance (Z_S):	50 Ω
Terminating load impedance (Z_L):	50 Ω

	minimum	typical	maximum	unit
Centre frequency		1591 ¹⁾		MHz
Insertion Loss in Pass Band 1589 MHz – 1593 MHz		1.2	2.0	dB
Ripple in Pass Band 1589 MHz – 1593 MHz		0.3	0.8	dB
VSWR in Pass Band 1589 MHz – 1593 MHz			2:1	
Bandwidth –3dB, relative	40	52		MHz
Rejection				
DC – 1401 MHz	35	40		dB
1401 MHz – 1511 MHz	44	47		dB
1651 MHz – 1675 MHz	25	40		dB
1675 MHz – 2391 MHz	45	47		dB
2391 MHz – 3000 MHz	40	43		dB
Operating temperature range	-40		+85	°C
Storage temperature range	-40		+85	°C
Temperature coefficient of frequency		-31		ppm/K

¹⁾ Other frequencies in range of Glonass on request.

Electrostatic Sensitive Device

Package: S25 / 3.0x3.0mm²

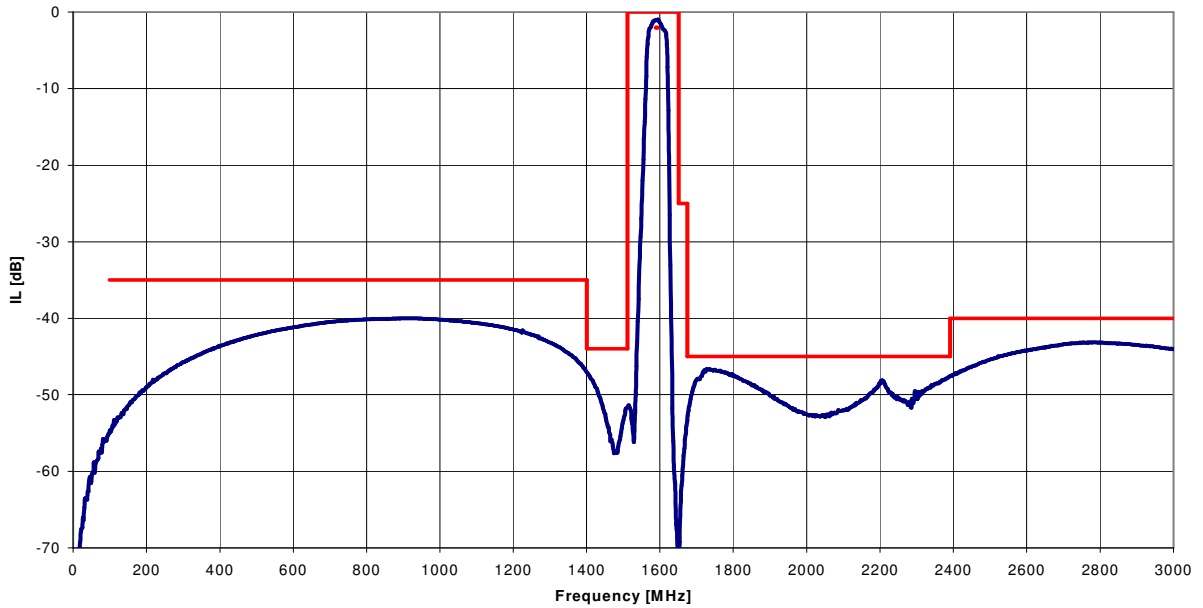
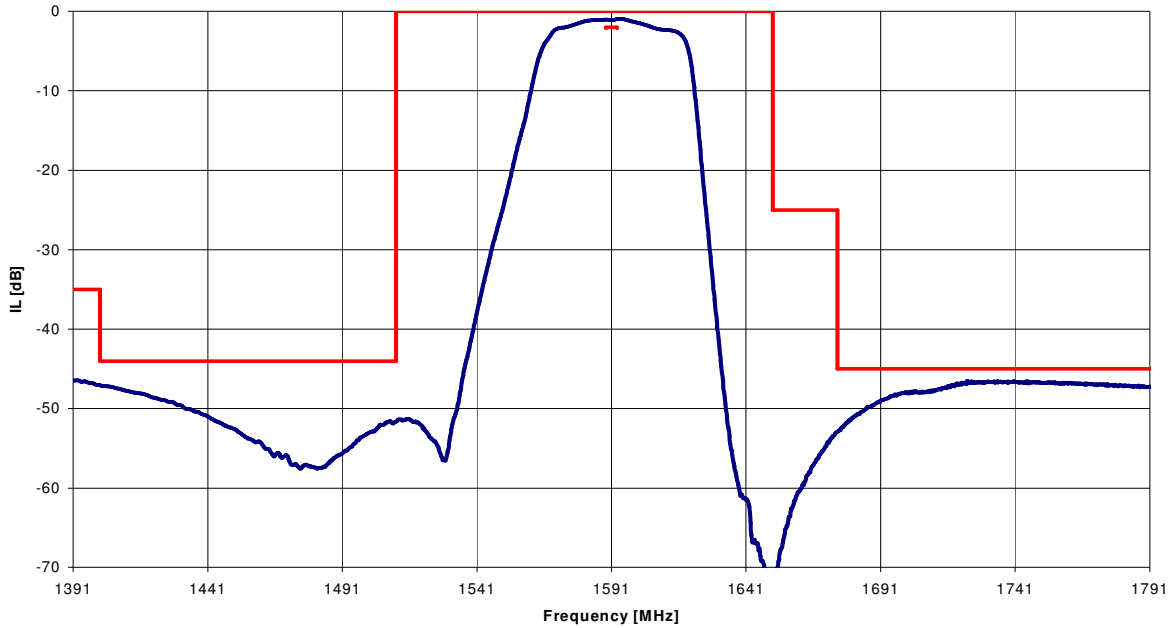


All dimensions in mm

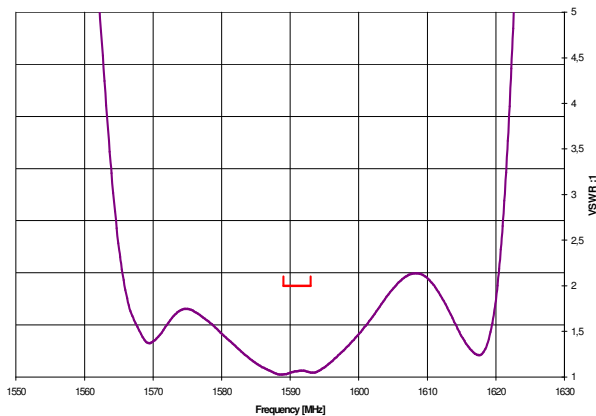
Pin 2 Input
Pin 5 Output

Pin 1, 4 Case ground
Pin 3, 6 to be grounded

Typical performance:



VSWR in



VSWR out

