

SF1591C
High rejection SAW-Filter for GPS and GLONASS
 This product is lead-free in compliance with RoHs 2002/95/EC.

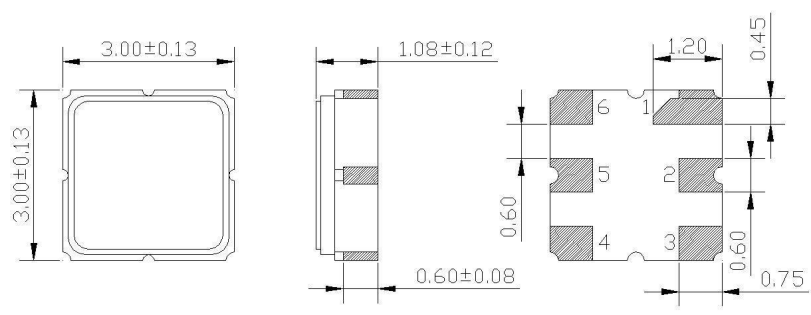
Test Conditions:

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		MHz
Insertion Loss in Pass Band				
	1572 MHz – 1605 MHz	1.3	2.8	dB
	1605 MHz – 1610 MHz	2.1	3.0	dB
Ripple in Pass Band				
	1572 MHz – 1610 MHz	1.0	2.0	dB
VSWR in Pass Band				
	1572 MHz – 1610 MHz	1.8	2.5	
Bandwidth –3dB, relative	50	53		MHz
Rejection				
	DC – 1450 MHz	38	42	dB
	1450 MHz – 1520 MHz	45	50	dB
	1635 MHz – 1650 MHz	25	40	dB
	1650 MHz – 2400 MHz	45	50	dB
	2400 MHz – 3000 MHz	40	45	dB
Operating temperature range	-40		+85	°C
Storage temperature range	-40		+85	°C
Temperature coefficient of frequency		-31		ppm/K

Electrostatic Sensitive Device

Package: S25 / 3.0x3.0mm²



All dimensions in mm

Pin 2	Input or Output	Pin 4	Case ground
Pin 5	Output or Input	Pin 3	Input Ground or Output Ground
Pin 1	Case ground	Pin 6	Output Ground or Input Ground

Typical performance:

