

SF915F – Low Loss RF Filter for ISM Application

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

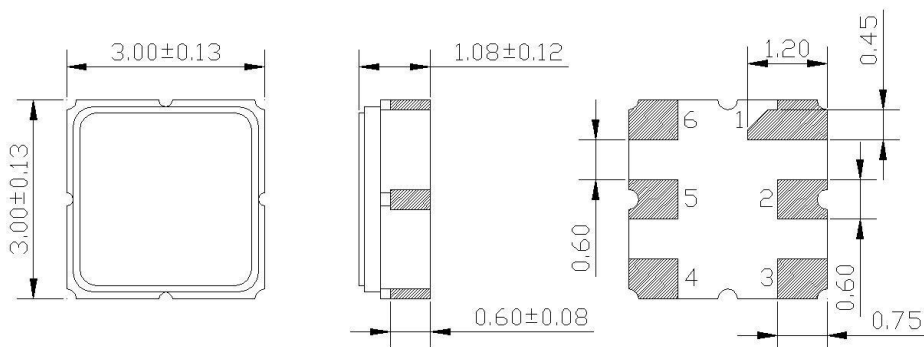
Test Conditions:

RF power	0 dBm	
Temperature	23 °C	
DC Voltage	0 V	
Terminating source impedance (Z_S):	50 Ω	No matching
Terminating load impedance (Z_L):	50 Ω	No matching

	minimum	typical	maximum	unit
Centre frequency		915		MHz
Insertion Loss in Pass Band 910 MHz – 920 MHz		1.7	2.7	dB
Ripple in Pass Band 910 MHz – 920 MHz		0.3	1.0	dB
VSWR Loss in Pass Band 910 MHz – 920 MHz		1.5	1.8	
Rejection				
100 MHz – 890 MHz	45	55		dB
890 MHz – 900 MHz	20	35		dB
933 MHz – 945 MHz	20	45		dB
945 MHz – 1500 MHz	45	50		dB
1500 MHz – 2500 MHz	35	42		dB
RF Power			25	dBm
Operating temperature range	-40		+85	°C
Storage temperature range	-40		+85	°C
Temperature coefficient of frequency		-31		ppm/K ²

Electrostatic Sensitive Device

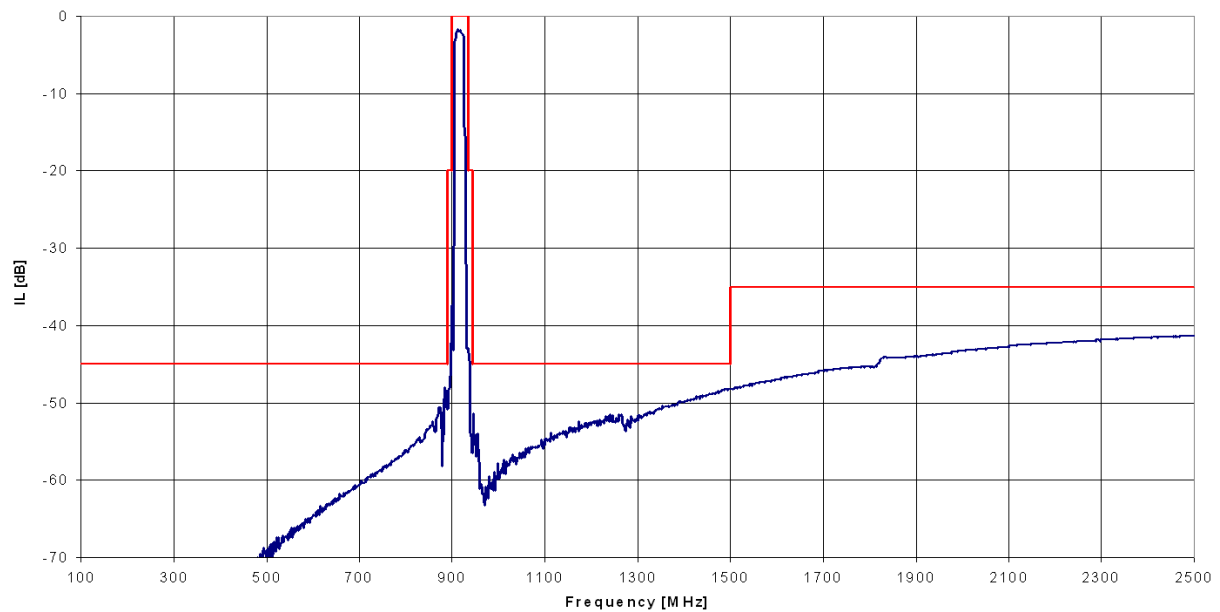
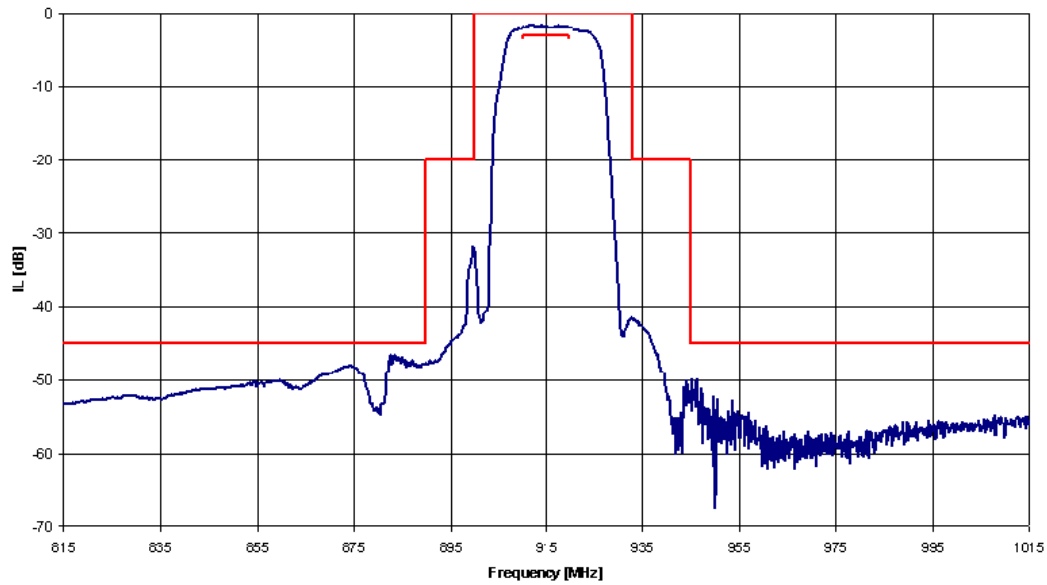
Package: S25 / 3.0*3.0mm²



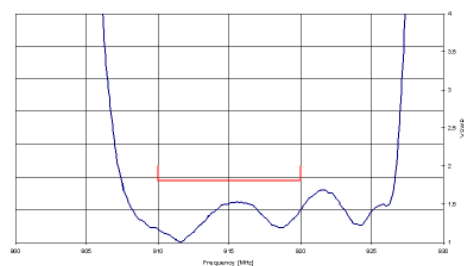
All dimensions in mm

Pin 1	Case ground	Pin 4	Case ground
Pin 2	Input	Pin 5	Output
Pin 3	To be grounded	Pin 6	To be grounded

Typical performance:



VSWR in



VSWR out

