

SF869V

SAW Filter for LTE Frequency Protection

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

Test conditions:

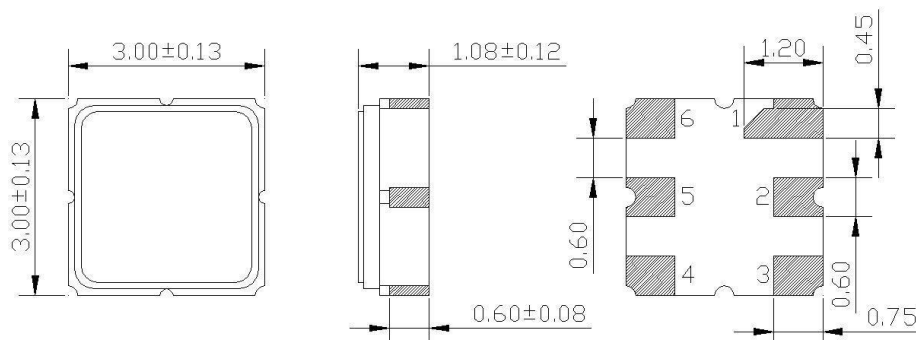
RF power	0 dBm	
temperature:	23 °C	
DC Voltage	0 V	
Terminating source impedance (Z_S):	50 Ω	No matching
Terminating load impedance (Z_L):	50 Ω	No matching

	minimum	typical	maximum	unit
Centre frequency		869,0		MHz
Insertion Loss in Pass Band 868.8 – 869.2 MHz		2.0	2.8	dB
Ripple in Pass Band 868.8 – 869.2 MHz		0.2	0.3	dB
VSWR in Pass Band 868.8 – 869.2 MHz		1.3	1.5	
Rejection				
DC – 300.0 MHz	45	48		dB
300.0 MHz – 858.0 MHz	40	43		dB
858.0 MHz – 862.0 MHz	19	TBD		dB
880.0 MHz – 890.0 MHz	27	TBD		dB
890.0 MHz – 1500.0 MHz	45	50		dB
1500.0 MHz – 2600.0 MHz	40	45		dB
RF Power			25	dBm
Operating temperature range	-15		+60	°C
Storage temperature range	-40		+85	°C
Temperature coefficient of frequency		-31.0		ppm/K

Limit Lines are valid at room temperature.

Electrostatic Sensitive Device

Package: S25 / 3.0*3.0mm²

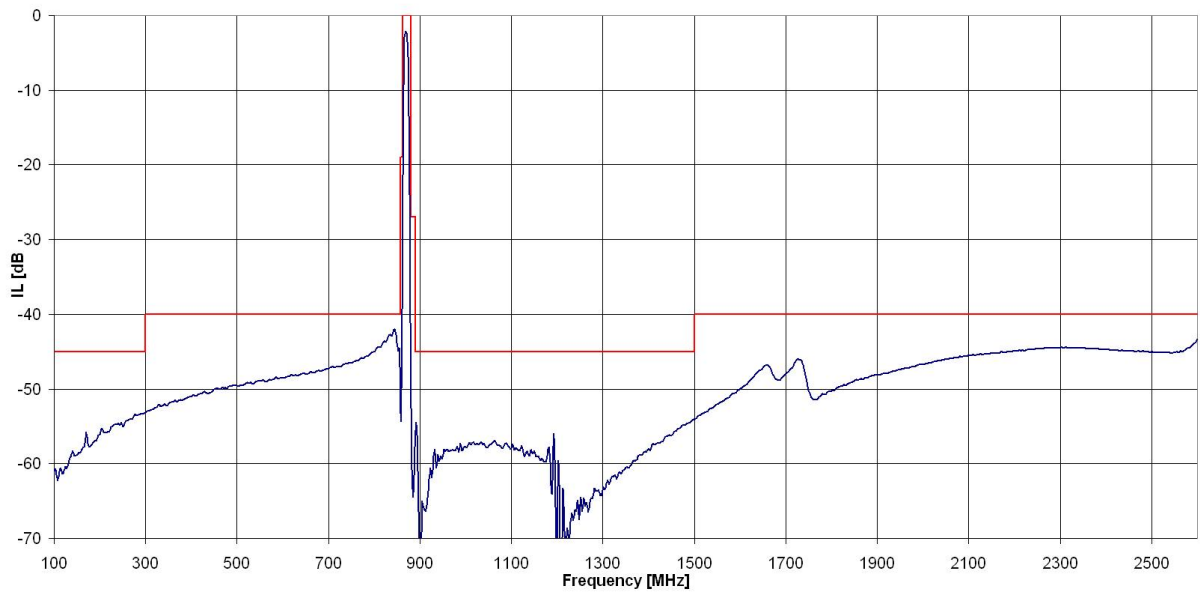
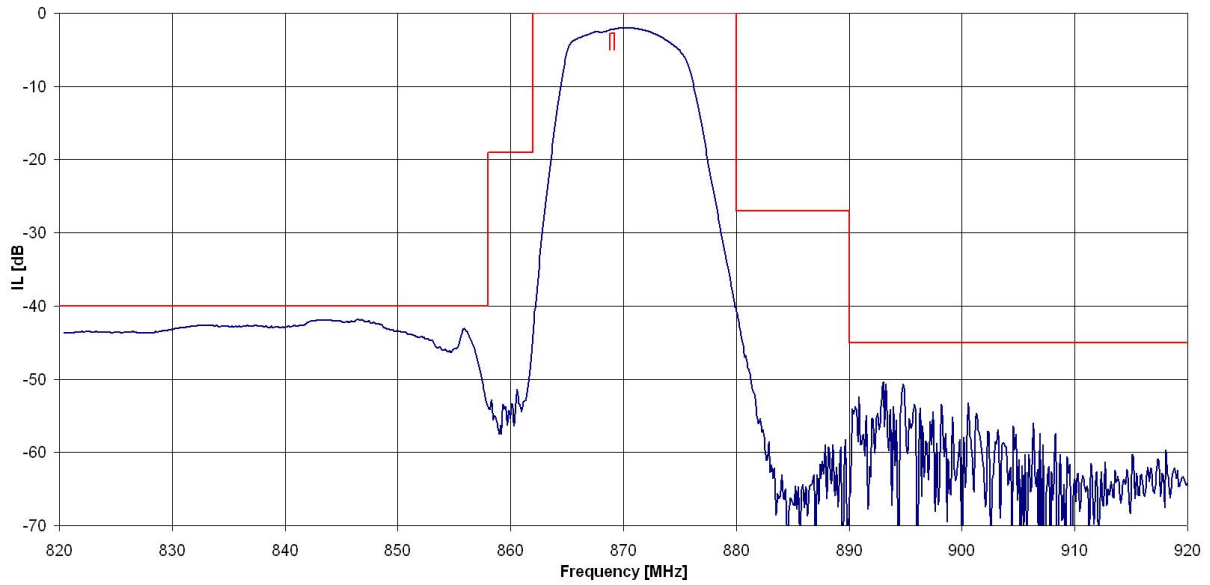


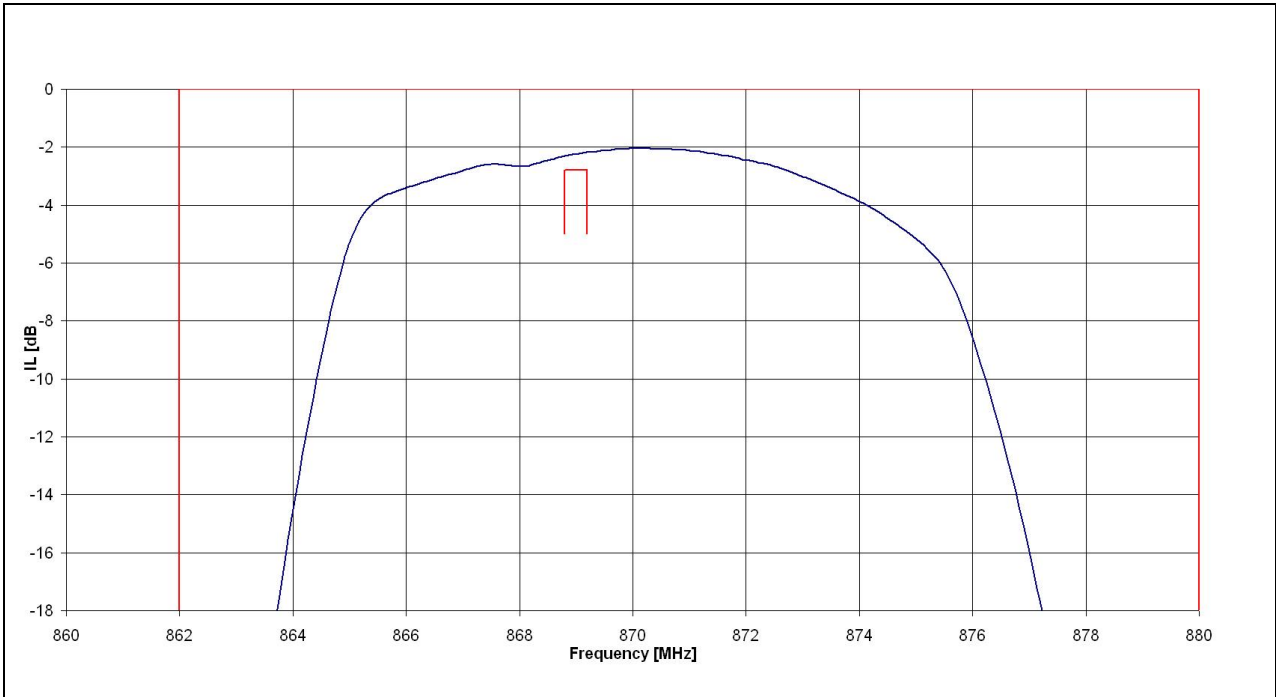
All dimensions in mm

Pin 2 Input
Pin 1, 4 Case ground

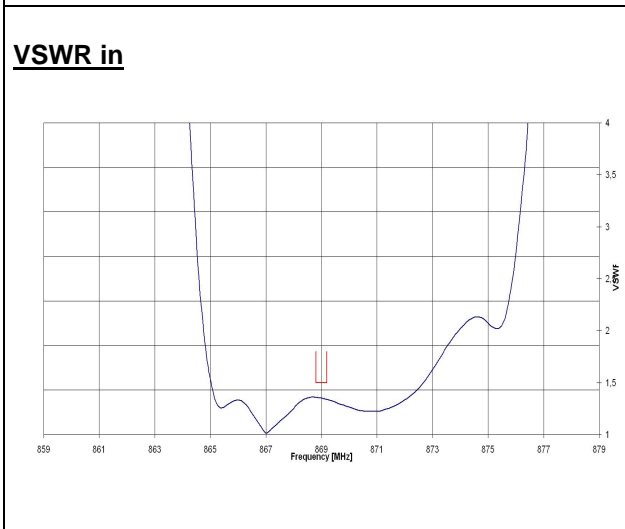
Pin 5 Output
Pin 3, 6 To be grounded

Typical performance:





VSWR in



VSWR out

