

Data Sheet **Preliminary**

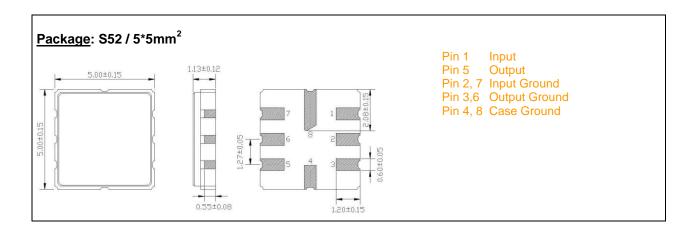
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SF870B Narrow Band Low Loss RF Filter for ISM Application

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

Test conditions:				
RF power	0 dBm			
Temperature	23 °C			
Terminating source impedance (Z _s):	50 Ω	☑ Matching Required		
Terminating load impedance (Z _L):	50 Ω	☑ Matching Required		
	minimum	typical	maximum	unit
Centre frequency		869.6		MHz
Insertion Loss in Pas Band 869.1 – 870.1 MHz		2.1	3.5	dB
Ripple in Pass Band 869.1 – 870.1 MHz		1.0		dB
Rejection				
820 MHz – 850 MHz	35	40		dB
850 MHz – 862 MHz	25	28		dB
862 MHz – 867 MHz	13	15		dB
872 MHz – 877 MHz	15	17		dB
877 MHz – 884 MHz	20	23		dB
884 MHz – 1000 MHz	30	33		dB
RF Power			10	dBm
Operating temperature range	-45		+120	°C
Storage temperature range	-45		+120	°C
Temperature coefficient of frequency		-0.03		ppm/K ²

Electrostatic Sensitive Device



Typical performance:



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