

**MBF9402B**

**Preliminary**

SAW Band Pass Filter for US-PCS

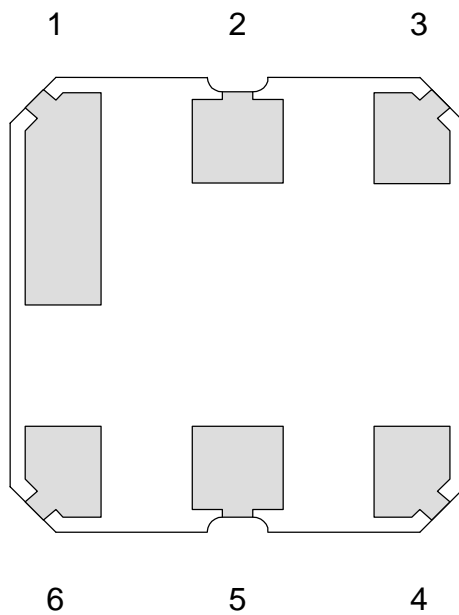
**GENERAL DESCRIPTION**

The MBF9402B SAW band pass filter is available for PCS system, receive path. This SAW filter has very low insertion loss, and external matching circuits are not required.

**FEATURES**

- High frequency filter
- PKG I/O Impedance:50 Ω
- Ceramic Package for Surface Mounted Technology (SMT)

**PIN CONFIGURATION (BOTTON VIEW)**



TERMINAL  
 2: INPUT  
 5: OUTPUT  
 1,3,4,6: GROUND

**ABSOLUTE MAXIMUM RATINGS**

Parameter	Symbol	Rating	Unit
Operating temperature	T <sub>a</sub>	-30 to +85	°C
Storage temperature	T <sub>STG</sub>	-40 to +85	°C
Maximum Input Power	T <sub>IN</sub>	20	mW

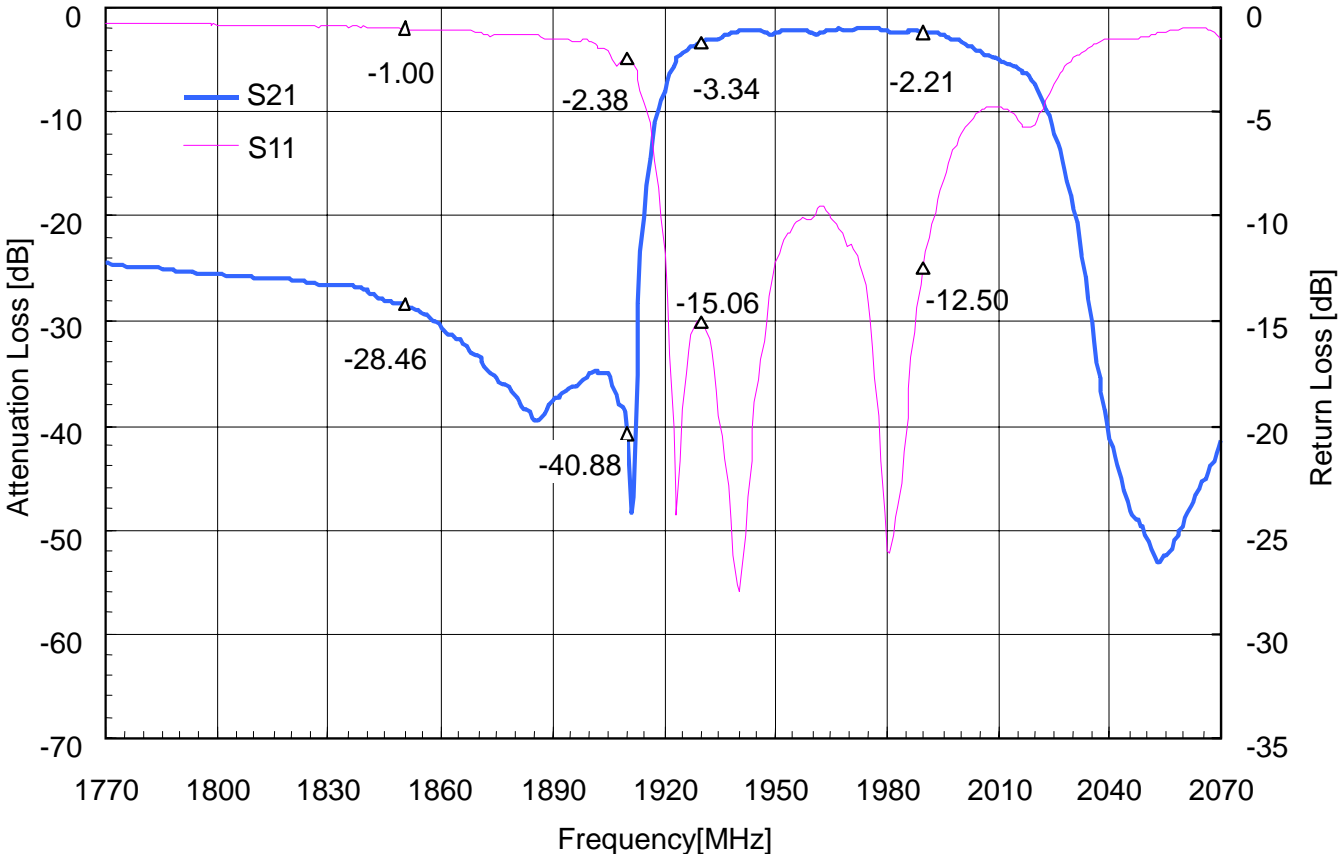
**RECOMMENDED OPERATING CONDITIONS**

Parameter	Symbol	Rating	Unit
Operating temperature	T <sub>a</sub>	-30 to +85	°C

**ELECTRICAL CHARACTERISTICS**T<sub>a</sub> = -30 to +85°C

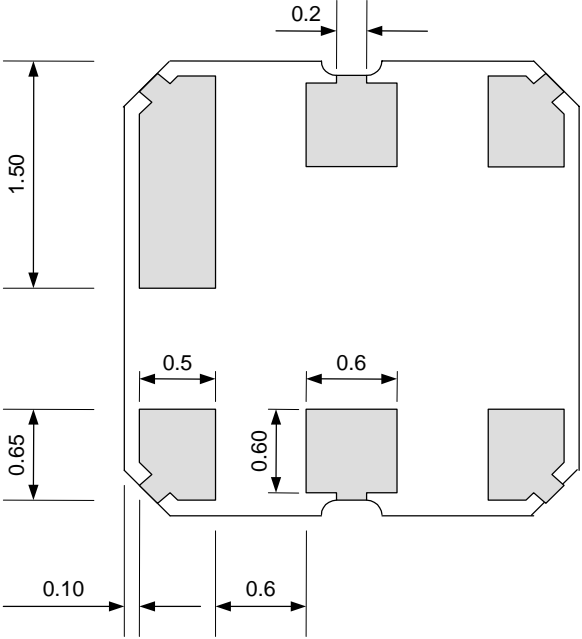
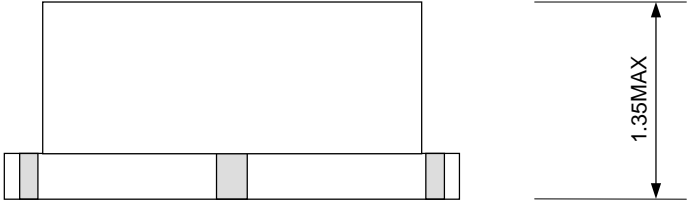
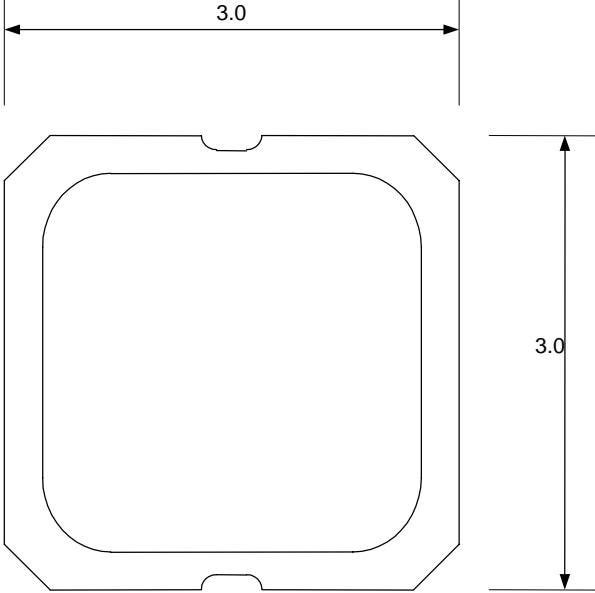
Parameter	Frequency [MHz]	Min.	Typ.	Max.	Unit
Insertion Loss	1930 to 1990	—	3.5	5.0	dB
Ripple		—	1.4	3.0	dB
V.S.W.R		—	2.0	2.5	—
Absolute Attenuation	1509 to 1570	20	22	—	dB
	1720 to 1780	20	23	—	dB
	1850 to 1910	15	27	—	dB
	2058 to 2118	25	29	—	dB
Terminating Impedance		50			<b>Ω</b>

TYPICAL CHARACTERISTI



PACKAGE DIMENSIONS

(UNIT: mm)



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