

MBF9402B

Preliminary

SAW Band Pass Filter for US-PCS

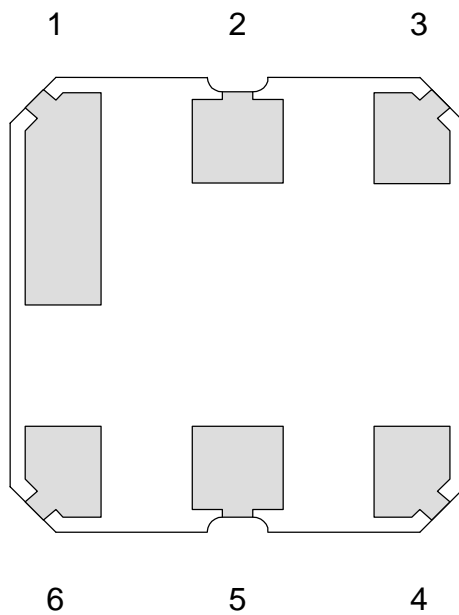
GENERAL DESCRIPTION

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 _a	-30 to +85	°C
Storage temperature	T _{STG}	-40 to +85	°C
Maximum Input Power	T _{IN}	20	mW

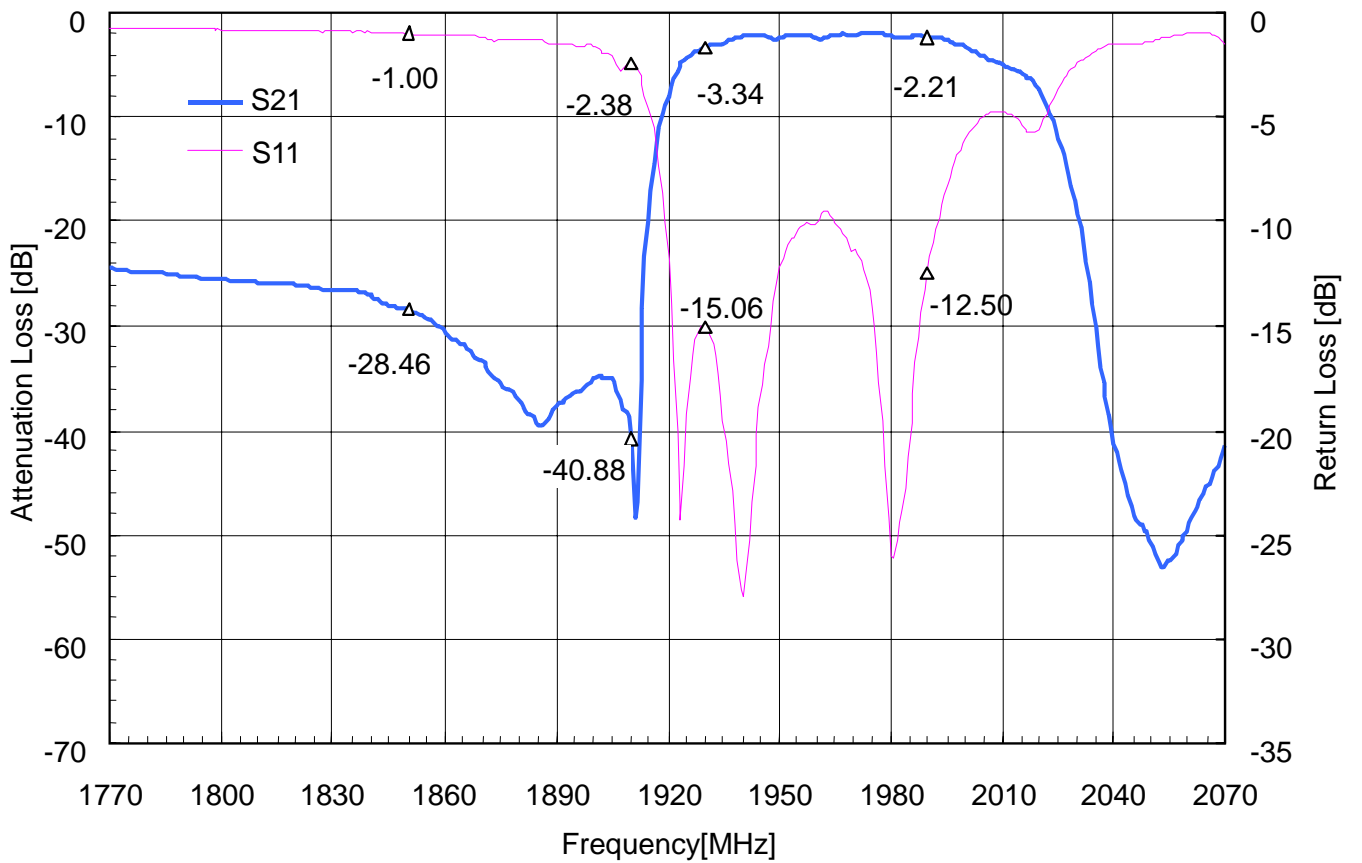
RECOMMENDED OPERATING CONDITIONS

Parameter	Symbol	Rating	Unit
Operating temperature	T _a	-30 to +85	°C

ELECTRICAL CHARACTERISTICST_a = -30 to +85°C

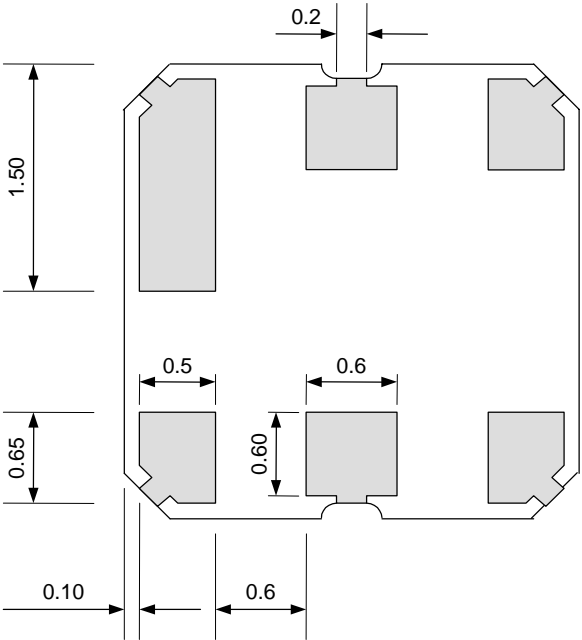
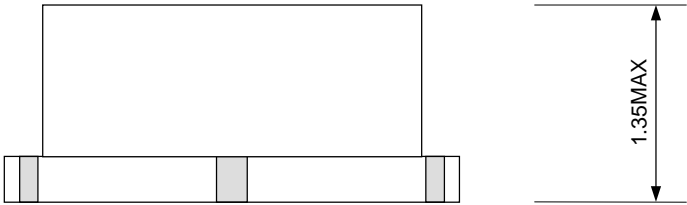
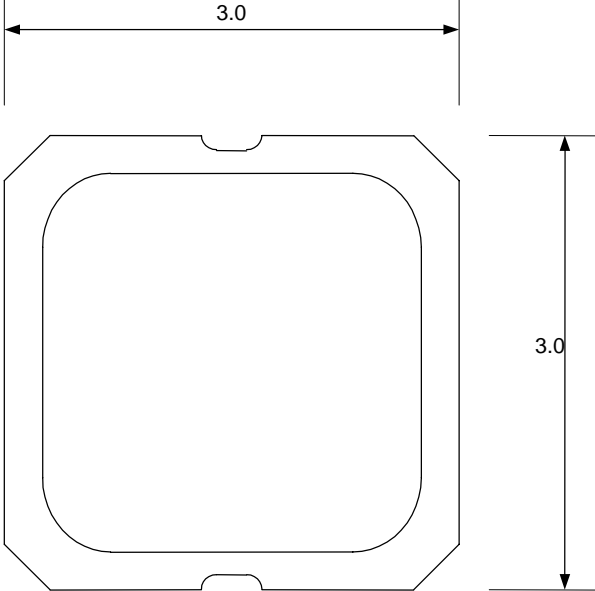
Parameter	Frequency [MHz]	Min.	Typ.	Max.	Unit
Insertion Loss	1930 to 1990	—	3.5	5.0	dB
Ripple		—	1.4	3.0	dB
V.S.W.R		—	2.0	2.5	—
Absolute Attenuation	1509 to 1570	20	22	—	dB
	1720 to 1780	20	23	—	dB
	1850 to 1910	15	27	—	dB
	2058 to 2118	25	29	—	dB
Terminating Impedance		50			Ω

TYPICAL CHARACTERISTI



PACKAGE DIMENSIONS

(UNIT: mm)



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