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MF1208S-1.0

FOR PCS MOBILE TELEPHONE, Tx

DESCRIPTION

This SAW filter for the transmitting RF circuit of PCS mobile communication equipment operating at 1850 MHz ~ 1880 MHz and 1880 MHz ~ 1910 MHz.

FEATURES

1. SMD package insures small size, lightweight.
2. Adjustment free.
3. Low insertion loss.
4. Wide and sharp passband characteristics.
5. High stability and reliability.
6. Designed for reflow solderings

APPLICATION

- Mobile Cellular Telephone
- Portable Cellular Telephone
- Wireless equipment

MAXIMUM RATINGS

Rating	Value	Unit
Input Power	20	mW
Operating Temperature Range	–30 to 85	°C
Storage Temperature Range	–30 to 85	°C

ELECTRICAL PERFORMANCE

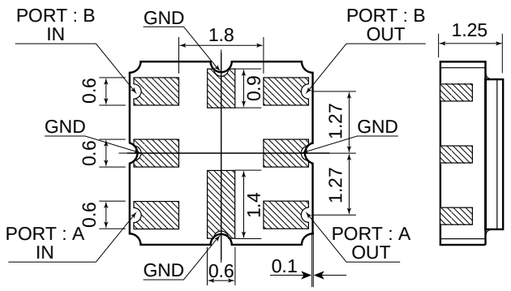
PORT : A

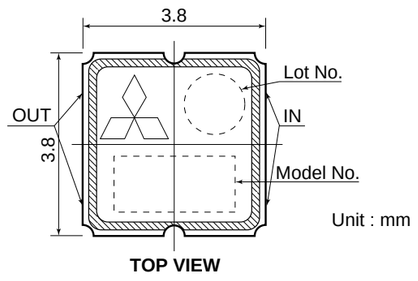
Item	Frequency (MHz)	Specification			Unit
		Min.	Typ.	Max.	
Insertion Loss	1850 – 1880	–	2.0	3.2	dB
Passband Ripple	1850 – 1880	–	0.5	1.7	dBp-p
VSWR (Input/Output)	1850 – 1880	–	1.4	2.2	–
Stopband Attenuation (Relative to Odb)	0 – 1760	25	33	–	dB
	1930 – 1990	30	36	–	
	1990 – 2500	20	28	–	

PORT : B

Item	Frequency (MHz)	Specification			Unit
		Min.	Typ.	Max.	
Insertion Loss	1880 – 1910	–	2.1	3.2	dB
Passband Ripple	1880 – 1910	–	0.6	1.7	dBp-p
VSWR (Input/Output)	1880 – 1910	–	1.5	2.2	–
Stopband Attenuation (Relative to Odb)	0 – 1580	25	33	–	dB
	1580 – 1780	30	40	–	
	1960 – 1990	30	37	–	
	1990 – 2500	20	38	–	

PACKAGE OUTLINE DIMENSIONS

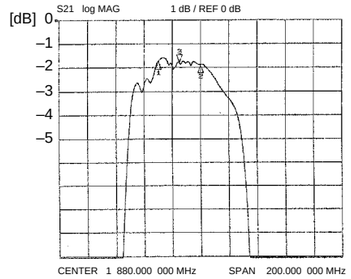




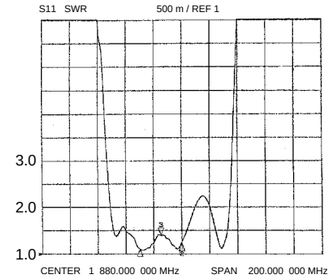
DIMENSIONS ARE IN MILLIMETERS
±0.2 UNLESS OTHERWISE SPECIFIED

MF1208S-1.0 TYPICAL CHARACTERISTICS / PORT A 1850~1880MHz

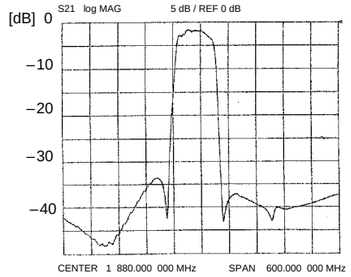
Insertion Loss vs. Frequency



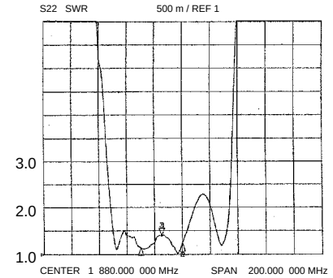
Input VSWR vs. Frequency



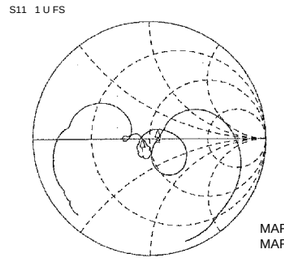
Attenuation vs. Frequency



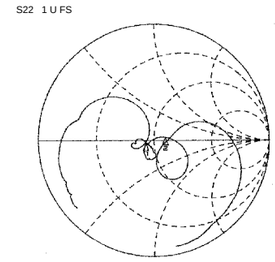
Output VSWR vs. Frequency



Input Reflection Coefficient vs. Frequency



Output Reflection Coefficient vs. Frequency



Attenuation vs. Frequency