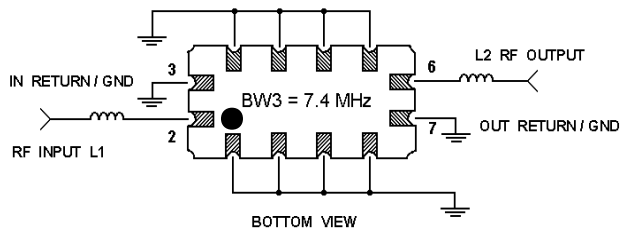


TSF0070-03

70 MHz SAW FILTER

SPECIFICATION

PACKAGE SMD13.3x6.5 MM



Source & Load Impedance : 50 Ohm

L1=0.2 μ H

L2=0.2 μ H

Q1=60

Q2=60

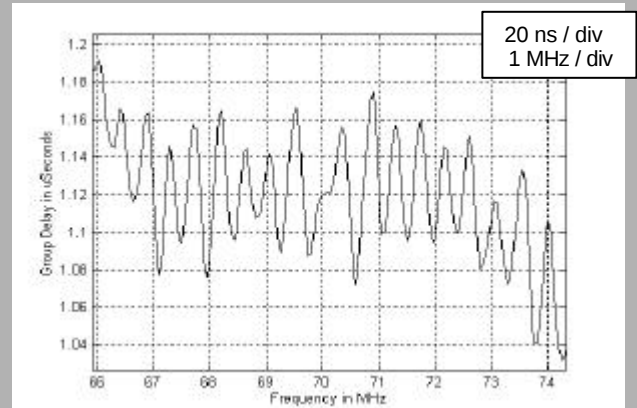
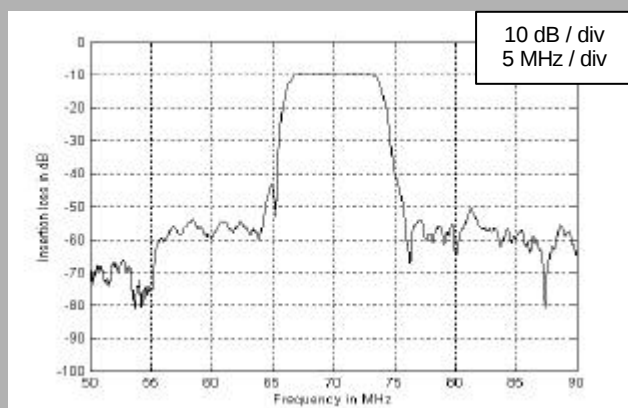
PRODUCT FEATURES :

- **Low LOSS**
- **HIGH SELECTIVITY**
- **SMD PACKAGE**

CONTACT : **TEMEX S.A.W.**
PUITS-GODET 8,
2000 NEUCHÂTEL
SWITZERLAND
TEL : ++41 32 722 18 28
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➤ OR CONTACT YOUR TEKELEC TEMEX SALES REPRESENTATIVE

TYPICAL PERFORMANCE (Device Measurement)



ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Centre Frequency	f_o	Nominal	69.8	70	70.1	MHz
Minimum Insertion Loss	IL	In BW_3		9	9.5	dB
1 dB bandwidth	BW_1	Nominal	6.2	6.4		MHz
3 dB bandwidth	BW_3	Nominal	7.0	7.4		MHz
40 dB bandwidth	BW_{40}	Nominal		11.5	11.95	MHz
Amplitude Ripple in 80% of BW_3		Nominal		0.5	1.0	dB
Phase Linearity in 70% of BW_3		Nominal		5	8	Degree
Group Delay Variation in 80% of BW_3		Nominal		80	120	ns
Absolute Delay		Nominal		1.12		μ s
Temperature Coefficient				-94		ppm/°C
Ambient Temperature				25		°C
I/p & O/P impedance	Z_{in}/Z_{out}	Series 200 nH matching		50		Ohms