

DATA SHEET

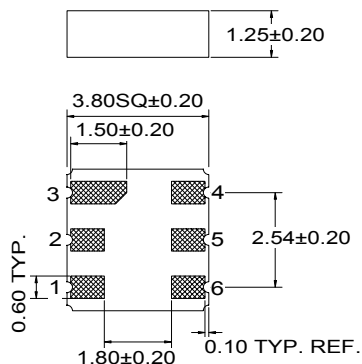
DS0308 v.5
20.02.02

TSF0920-01

920 MHz SAW FILTER

PRELIMINARY SPECIFICATION

PACKAGE 3.8x3.8 MM SMD



All Dimensions in mm, 5- Input, 2- Output
Unused contacts to be connected to Ground

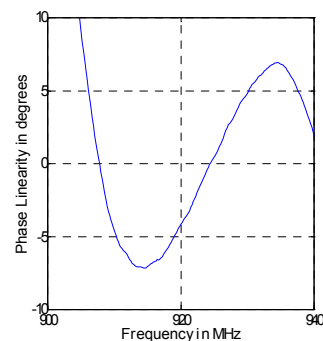
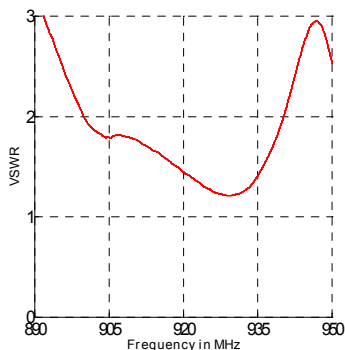
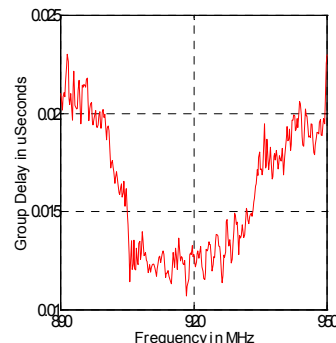
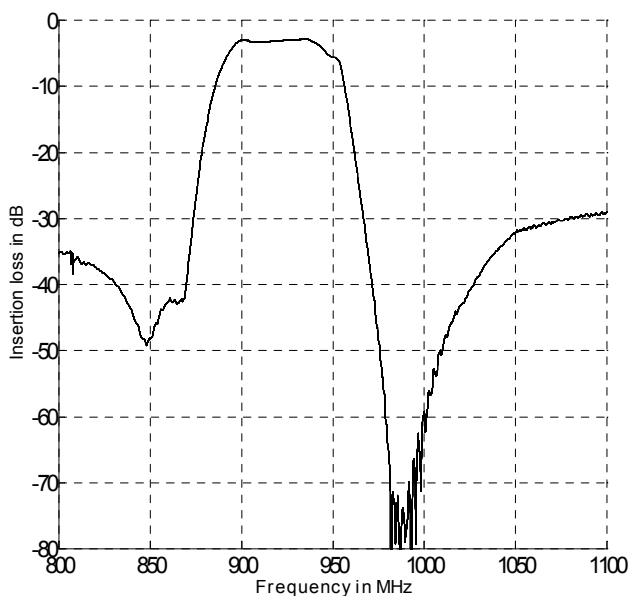
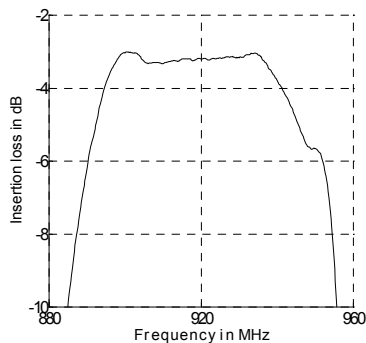
PRODUCT FEATURES :

- **LOW LOSS**
- **HIGH REJECTIONS**
- **SMALL SMD PACKAGE**

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TYPICAL PERFORMANCE (Measurement)



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ELECTRICAL CHARACTERISTICS						
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Centre Frequency	f_o	Nominal		920		MHz
Operational band	BW_{Op}		903		937	MHz
Insertion Loss	IL	In BW_{Op}		3.4	4.0	dB
Amplitude Variation	AV	In BW_{Op}		0.35	0.8	dB
Group Delay Variation	GDV	In BW_{Op}		5	15	ns
Phase Ripple	PR	In 908-937 MHz range		± 4	± 7	Deg.
VSWR	SWR	In BW_{Op}		2.1	2.9	
Rejections wrt 0 dB	R_{j1}	1 ... 860 MHz	30	33		dB
	R_{j2}	980 ... 994 MHz	30	34		dB
	R_{j3}	994 ... 996 MHz	53	60		dB
	R_{j4}	996 ... 1050 MHz	30	34		dB
	R_{j5}	1050 ... 6000 MHz	27	34		dB
Temperature Range	T_{Op}	Operational	0	25	80	$^{\circ}C$
RF Power	P_{max}	In $f_o \pm 17$ MHz			15	dBm
I/p & O/P impedance	Z_{in}/Z_{out}	Matched, Coil in series to a filter about $7.3nH \pm 3\%$, $Q > 80$, and Capacitor $5.3 pF //$ to I/p & O/P		50		Ohm