

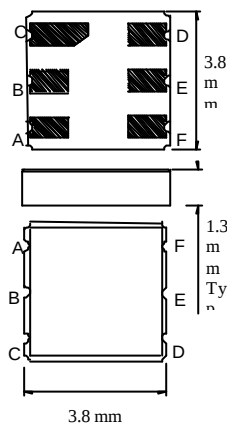
TSF0902-04

902.5MHz SAW FILTER

PRELIMINARY SPECIFICATION

PACKAGE 3.8x3.8 MM SMD

All Dimensions in mm



Input: B
Output: E

Unused contacts to be connected to Ground

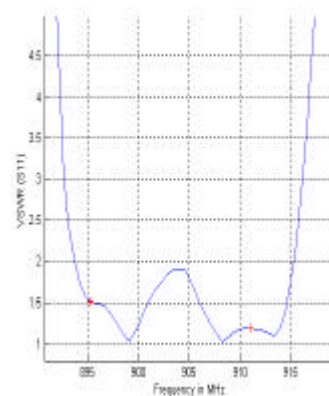
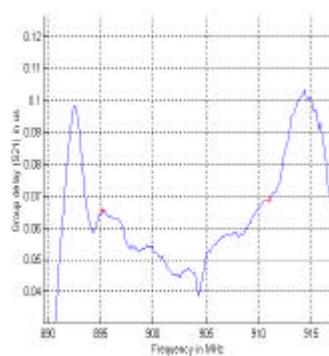
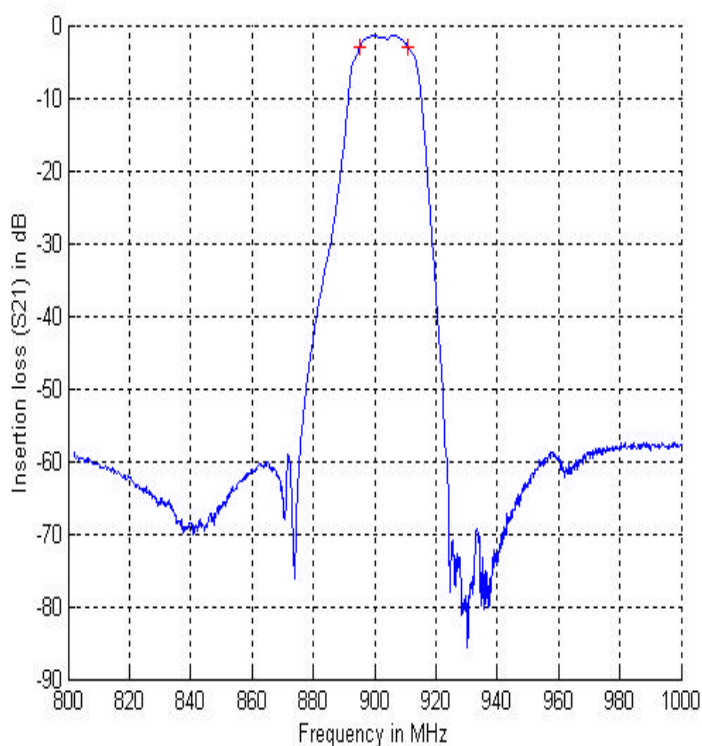
PRODUCT FEATURES :

- **Low Loss**
- **HIGH REJECTION**
- **SMALL SMD PACKAGE**

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➤ OR CONTACT YOUR TEKELEC TEMEX SALES REPRESENTATIVE

TYPICAL PERFORMANCE



DATA SHEET

DS0089 v. 02
04/12/01

ELECTRICAL SPECIFICATIONS						
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Center Frequency	f_0	Nominal		902.5		MHz
1.5 dB Bandwidth	$BW_{1.5}$		11	15.5		MHz
3 dB Bandwidth	BW_3		12.5	18		MHz
Min Insertion Loss	IL			1.5	2.25	dB
VSWR	SWR	in $BW_{1.5}$		1.6	2.5	
Group Delay variation	τ	in 897...908MHz		18	30	ns
Rejections wrt 0dB	R_{j1}	DC ... 800 MHz	45	50		dB
	R_{j2}	800 ... 850 MHz	50	55		dB
	R_{j3}	850 ... 877 MHz	40	45		dB
	R_{j4}	877 ... 887 MHz	20	25		dB
	R_{j5}	922 ... 926 MHz	20	25		dB
	R_{j6}	926 ... 932 MHz	40	45		dB
	R_{j7}	932 ... 1100 MHz	50	56		dB
	R_{j8}	1100 ... 1700 MHz	45	50		dB
	R_{j9}	1700 ... 2000 MHz	30	36		dB
Temperature Range	Tr		-10	25	70	°C
I/P & O/P impedance	Z_{in}/Z_{out}	Unmatched		50		Ohms