

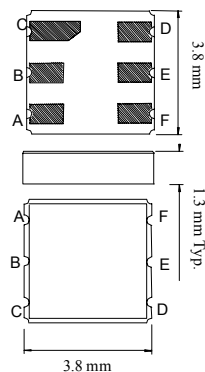
DATA SHEET

DS0166_06
20.11.01

TSF0938-02
938 MHz SAW FILTER

PRELIMINARY SPECIFICATION

PACKAGE SMD3.8



All Dimensions in mm, B- Input, E- Output
Unused contacts to be connected to Ground

PRODUCT FEATURES:

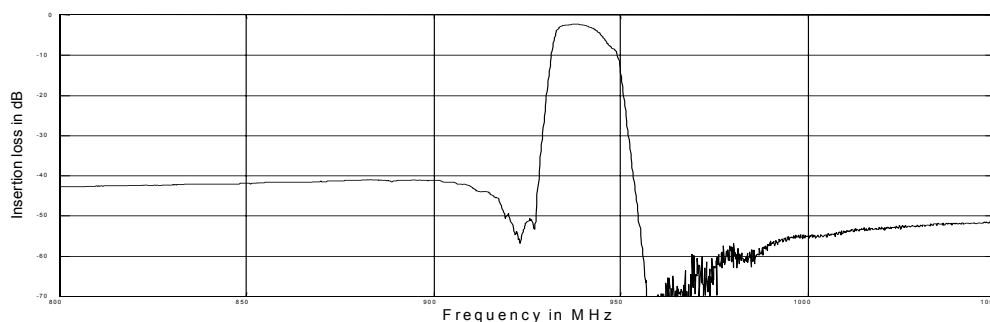
- **LOW LOSS**
- **HIGH REJECTIONS**
- **SMALL SMD PACKAGE**

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OR CONTACT YOUR TEKELEC TEMEX SALES
REPRESENTATIVE

TYPICAL PERFORMANCE (Measurement)



ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Nominal Frequency	NF			938		MHz
Operational Bandwidth	Δf		935		941	MHz
Insertion Loss	IL	At NF		2.75	4	dB
Amplitude Variation	AV	In Δf in T_{0p}		2	6	dB
Amplitude Variation	AV	In $-20 \dots +85 \text{ }^{\circ}\text{C}$		0.5	2	dB
Rejections wrt 0 dB	Rj ₁	0.3 ... 925 MHz	38.5	40.5		dB
In T_{0p}	Rj ₂	925 ... 928 MHz	20	35		dB
	Rj ₃	957 ... 960 MHz	30	45		dB
	Rj ₄	960 ... 1400 MHz	45	50		dB
Temperature Range	T_{0p}	Operational	-40	20	85	$^{\circ}\text{C}$
RF Power	Pmax	In Δf			17	dBm
I/p & O/P Impedance	Z_{in}/Z_{out}	Unmatched		50		Ohm