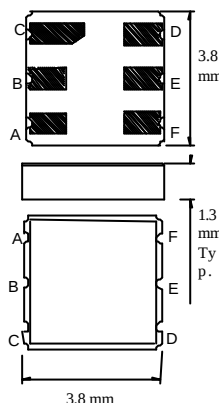


DATA SHEET

DS0174 _04
20/02/02

TSF0938-03
938 MHz SAW FILTER

PRELIMINARY SPECIFICATION

PACKAGE 3.8x3.8 MM OR 3x3 MM SMD


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

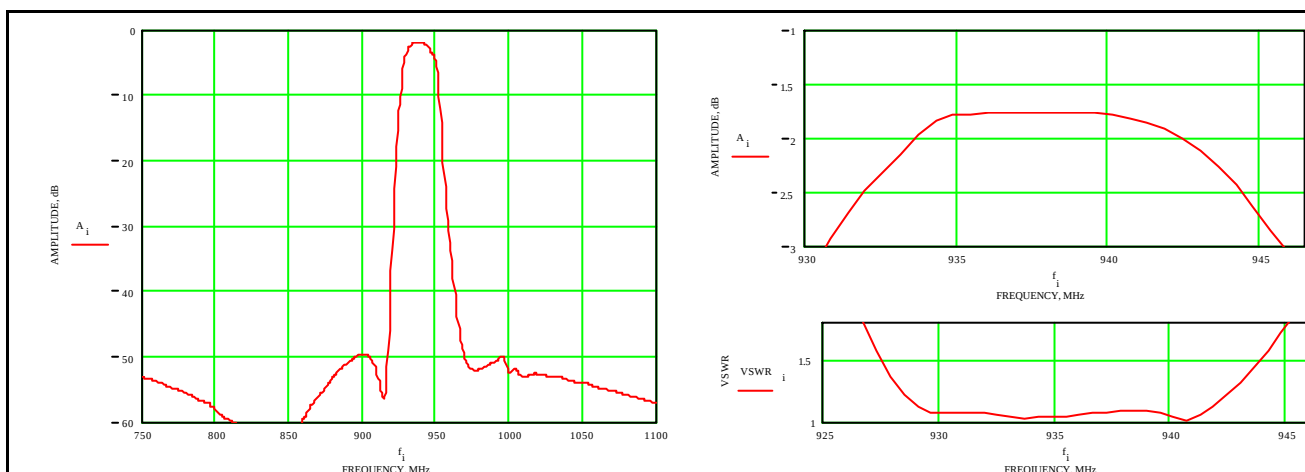
PRODUCT FEATURES :

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

CONTACT : **TEMEX S.A.W.**
PUITS-GODET 8,
2000 NEUCHÂTEL
SWITZERLAND
TEL : ++41 32 722 1820
FAX : ++41 32 722 1829

OR CONTACT YOUR TEKELEC TEMEX SALES REPRESENTATIVE

TYPICAL PERFORMANCE (Simulation)



ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Centre frequency				938		MHz
Operational Bandwidth	Δf_{op}		935		941	MHz
Insertion Loss	IL	In Δf_{op}		1.8	2.5	dB
Amplitude Variation	AV	In Δf_{op}		0.3	1.2	dB
VSWR	SWR	In Δf_{op}		1.2	1.8	
Rejections wrt 0 dB	Rj ₁	0.3 ... 915 MHz	40	45		dB
In T _{op}	Rj ₂	968 ... 1044.65 MHz	45	50		dB
	Rj ₃	1044.65 ... 1050.65 MHz	50	53		dB
	Rj ₃	1050 ... 1500 MHz	40	45		dB
	Rj ₄	1500 ... 2000 MHz	30	35		dB
Temperature Range	T _{op}	Operational	-30	20	70	°C
RF Power	P _{max}	In Δf_{op}			17	dBm
I/p & O/P impedance	Z _{in} /Z _{out}	Unmatched		50		Ohm