

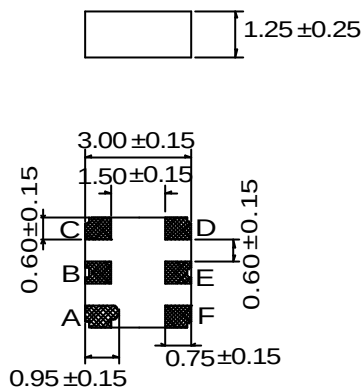
DATA SHEET

DS0342 _04
12/04/02

TSF1047-03 1047.65 MHz SAW FILTER

PRELIMINARY SPECIFICATION

PACKAGE 3X3 MM SMD



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

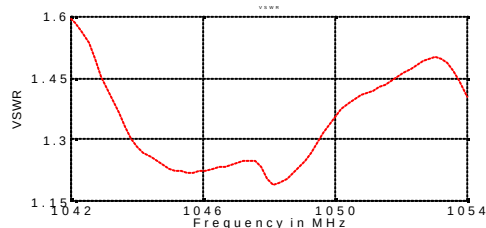
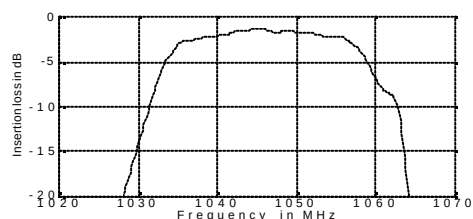
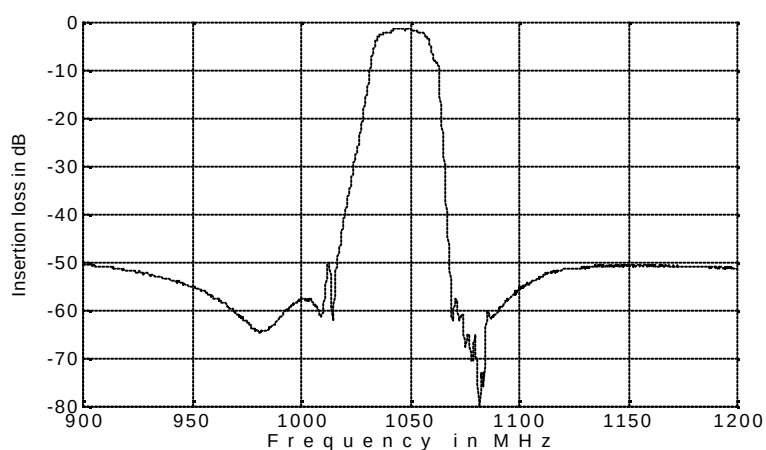
PRODUCT FEATURES :

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

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

OR CONTACT YOUR TEKELEC TEMEX SALES REPRESENTATIVE

TYPICAL PERFORMANCE (Measurement)



ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Centre frequency				1047.65		MHz



TEMEX
S.A.W.

Flexibility & Innovation

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ELECTRICAL CHARACTERISTICS

Operational Bandwidth	Δf_{op}		1044.65		1050.65	MHz
Insertion Loss	IL	In Δf_{op}		1.9	2.4	dB
Amplitude Variation	AV	In Δf_{op}		0.5	1	dB
VSWR	SWR	In Δf_{op}		1.4	1.7	
Rejections wrt 0 dB	Rj ₁	0.3 ... 935 MHz	38	42		dB
In T _{op}	Rj ₂	935 ... 941 MHz	40	45		dB
	Rj ₃	1080 ... 1160 MHz	40	45		dB
	Rj ₄	1160 ... 1500 MHz	40	45		dB
	Rj ₅	1500 ... 2000 MHz	35	40		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}	Matched, 0.5 pF $\pm$ 10% // I/p & O/P		50		Ohm