

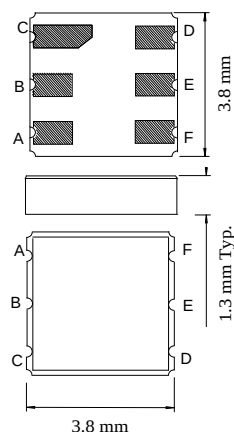
DATA SHEET

DS0087 v.03
11/08/00

TSF1007-01
1007 MHz S.A.W.FILTER

PRELIMINARY SPECIFICATION

PACKAGE 3.8x3.8 MM SMD



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

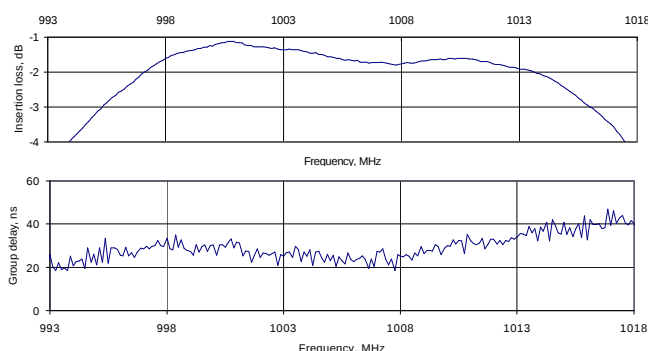
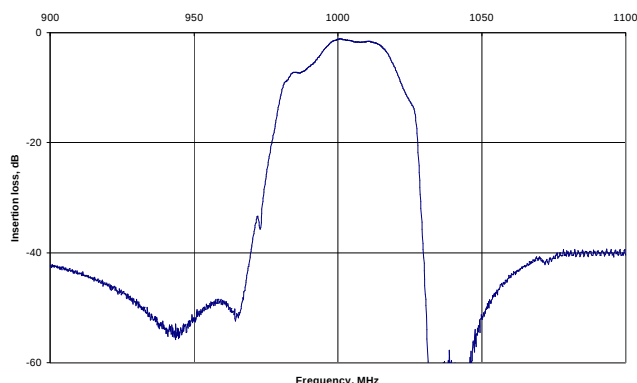
PRODUCT FEATURES :

- **LOW LOSS**
- **HIGH REJECTIONS**
- **SMALL SMD PACKAGE**
- **SMALL AMPLITUDE AND GROUP DELAY VARIATION**

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TYPICAL PERFORMANCE



ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Centre frequency	f_0		1003		1011	MHz
3 dB Bandwidth	Δf_3			24.5	30	MHz
Min Insertion Loss	IL	In T_{0p}		1.2	2.2	dB
Amplitude Variation	AV	$f_0 \pm 3.5$ MHz		0.4	0.5	dB
Group Delay Ripple	GDR	$f_0 \pm 3.5$ MHz		8	14	ns
VSWR	SWR	$f_0 \pm 3.5$ MHz		1.35	2.0	
Rejections wrt 0 dB	Rj ₁	0.3 ... f_0-95 MHz	34	38		dB
In T_{0p}	Rj ₂	f_0-95 ... f_0-88 MHz	37	40		dB
	Rj ₃	f_0-88 ... f_0-44 MHz	38	40		dB
	Rj ₄	f_0+44 ... 2000 MHz	35	45		dB
Temperature Range	T_{0p}	Operational	10	25	70	°C
RF Power	P _{max}	$f_0 \pm 3.5$ MHz			17	dBm
I/p & O/P impedance	Z _{in} /Z _{out}	Unmatched		50		Ohms