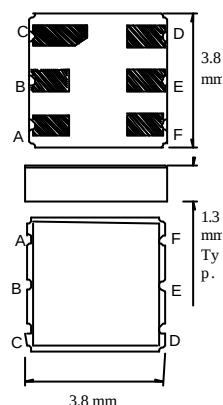


TSF1008-02 1008 MHz CATV IF SAW FILTER

FINAL SPECIFICATION

PACKAGE 3.8x3.8 mm SMD



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

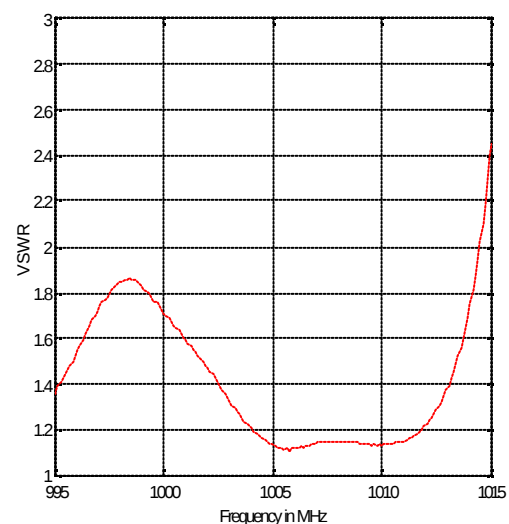
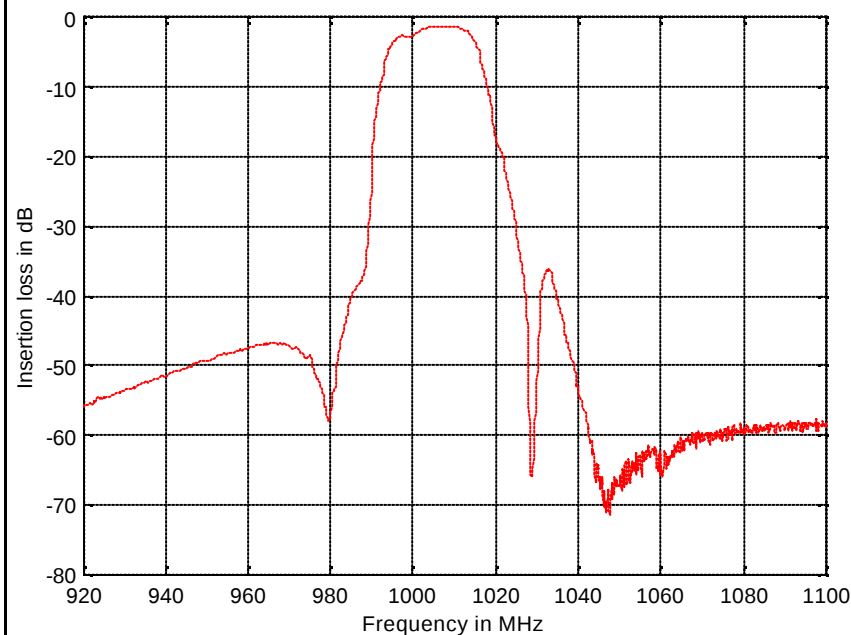
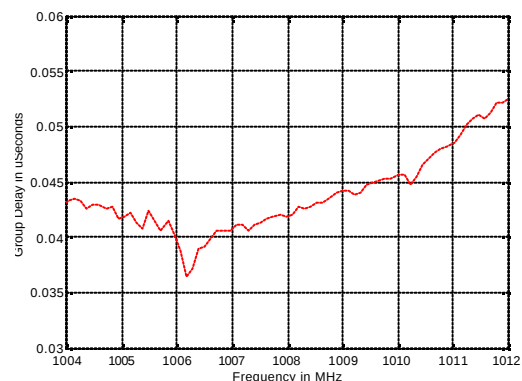
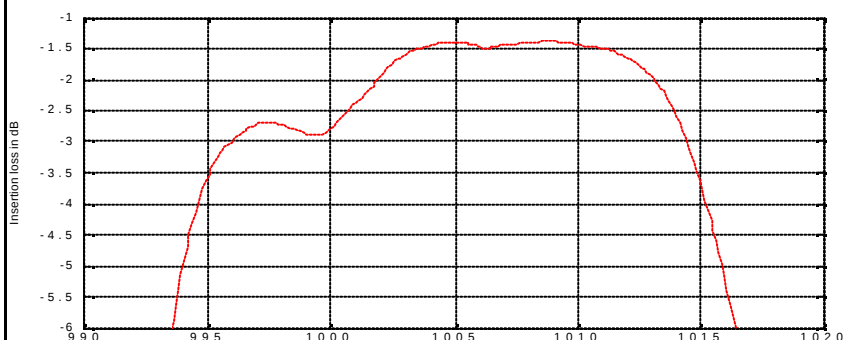
PRODUCT FEATURES :

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

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

OR CONTACT YOUR TEKELEC TEMEX SALES REPRESENTATIVE

TYPICAL PERFORMANCE (Measurement)





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DATA SHEET

DS0317_03
2/05/02

ELECTRICAL CHARACTERISTICS						
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Centre frequency	f_0	Defined @ -0.5dB relative to min IL	1004	1008	1012	MHz
4 dB Bandwidth	Δf_4			25	30	MHz
Insertion Loss	IL	In f_0		2.4	3.5	dB
Amplitude Variation	AV	In $f_0 \pm 4$ MHz @ $20^\circ\text{C} \pm 5^\circ\text{C}$		0.25	0.5	dB
Group Delay Ripple	GDR	In $f_0 \pm 4$ MHz @ $20^\circ\text{C} \pm 5^\circ\text{C}$		5	15	ns
VSWR	SWR	In $f_0 \pm 4$ MHz @ $20^\circ\text{C} \pm 5^\circ\text{C}$		1.4	2	
Rejections wrt 0 dB	R_{j1}	0 ... $f_0 - 36$ MHz	44	50		dB
In T_{op}	R_{j2}	$f_0 + 42$... 1400 MHz	44	50		dB
	R_{j3}	1400 ... 3000 MHz	30	35		dB
Temperature Range	T_{op}	Operational	0	20	70	$^\circ\text{C}$
Temperature Coefficient				-32	-35	Ppm/ $^\circ\text{C}$
RF Power	Pmax	In $f_0 \pm 4$ MHz			12	dBm
I/p & O/P impedance	Z_{in}/Z_{out}	Unmatched		50		Ohms