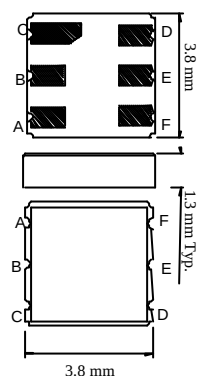


## TSF1007-03

## 1007 MHz S.A.W.FILTER

### PRODUCT SPECIFICATION

#### PACKAGE 3.8x3.8 MM SMD



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

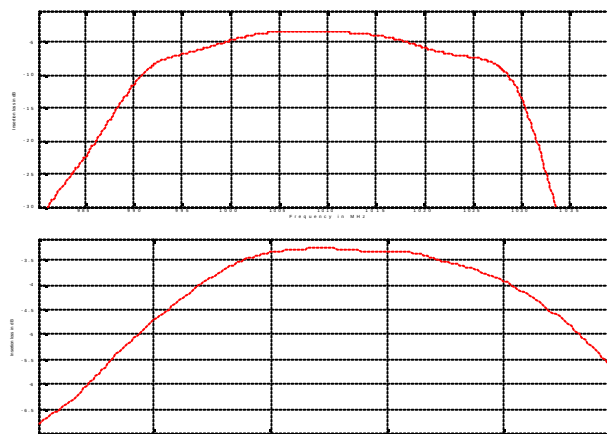
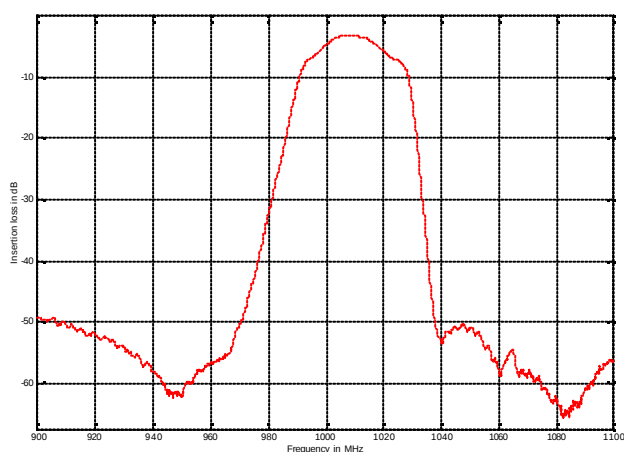
#### PRODUCT FEATURES :

- LOW LOSS
- HIGH REJECTIONS
- SMALL SMD PACKAGE
- NO VOLTAGE SPIKES

CONTACT : **TEMEX S.A.W.**  
PUITS-GODET 8,  
2000 NEUCHÂTEL  
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OR CONTACT YOUR TEKELEC TEMEX SALES REPRESENTATIVE

### TYPICAL PERFORMANCE (Measurements)



### ELECTRICAL CHARACTERISTICS

| Parameter           | Symbol           | Conditions                           | Min  | Typ  | Max  | Unit |
|---------------------|------------------|--------------------------------------|------|------|------|------|
| Centre frequency    | $f_0$            | Measured @ -2.5dB relative to min IL | 1003 |      | 1011 | MHz  |
| 2.5 dB Bandwidth    | $? f_{2.5}$      |                                      |      | 24.5 | 30   | MHz  |
| Min Insertion Loss  | IL               | In $T_{op}$                          |      | 2.7  | 4    | dB   |
| Amplitude Variation | AV               | $f_0 \pm 3.5$ MHz                    |      | 0.4  | 0.7  | dB   |
| Group Delay Ripple  | GDR              | $f_0 \pm 3.5$ MHz                    |      | 6    | 12   | ns   |
| VSWR                | SWR              | $f_0 \pm 3.5$ MHz @ 25°C             |      | 1.5  | 2.2  |      |
| Rejections wrt 0 dB | $R_{j1}$         | 0.3 ... $f_0 - 44$ MHz               | 40   | 45   |      | dB   |
| In $T_{op}$         | $R_{j2}$         | $f_0 + 44$ ... 1300 MHz              | 40   | 45   |      | dB   |
|                     | $R_{j3}$         | 1300 ... 2000 MHz                    | 30   | 40   |      | dB   |
| Temperature Range   | $T_{op}$         | 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 |