



TEMEX  
S.A.W.

Flexibility & Innovation ....

## DATA SHEET

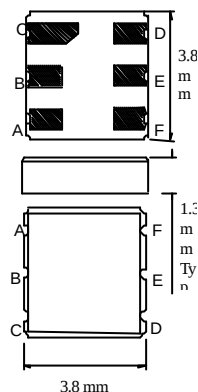
DS0263 v.02  
30/01/02

**TSF1005-02**

**1005.5 MHz S.A.W.FILTER**

### DELIVERY SPECIFICATION (PROPOSAL)

#### PACKAGE 3.8x3.8 mm SMD



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

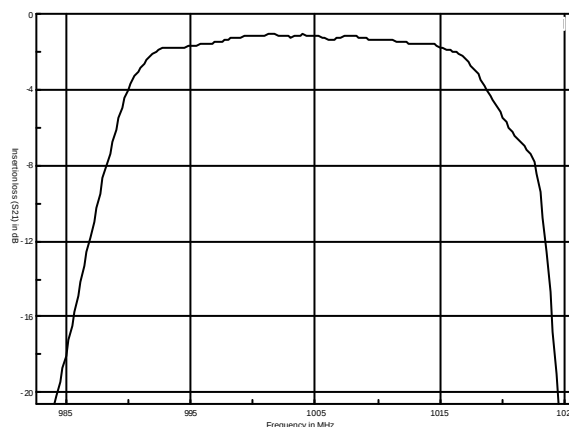
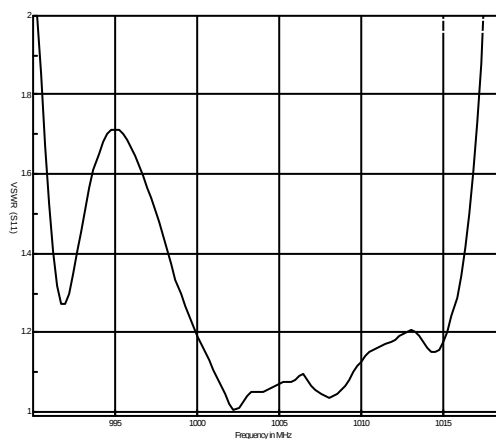
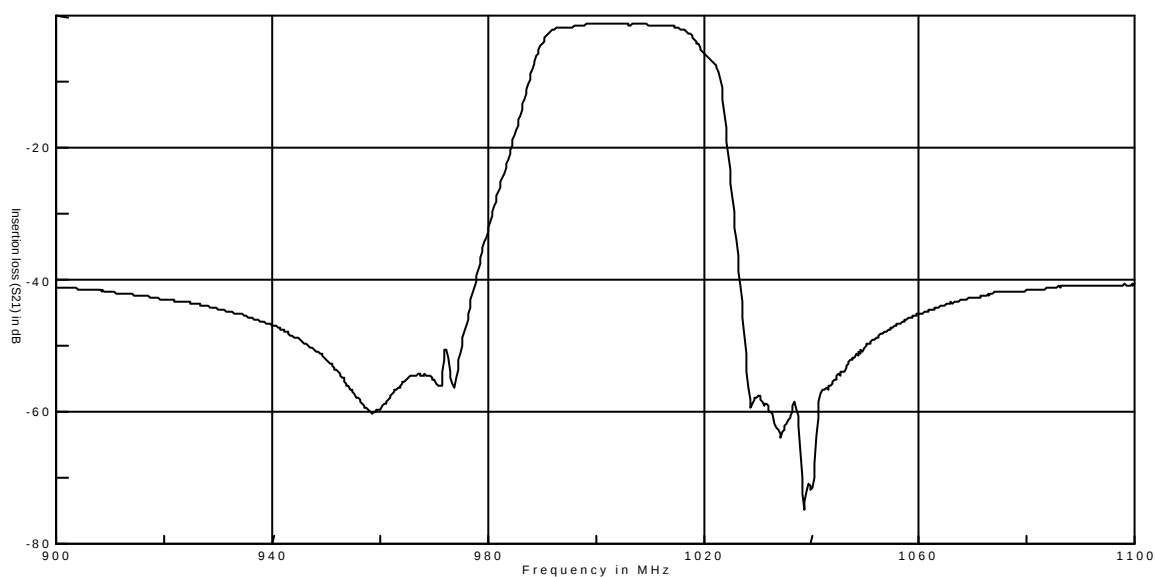
#### PRODUCT FEATURES :

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

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➤ OR CONTACT YOUR *TEKELEC TEMEX SALES REPRESENTATIVE*

### TYPICAL PERFORMANCE (Measurement)



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| ELECTRICAL CHARACTERISTICS |                  |                       |       |        |        |      |
|----------------------------|------------------|-----------------------|-------|--------|--------|------|
| Parameter                  | Symbol           | Conditions            | Min   | Typ    | Max    | Unit |
| Operating Frequency        | $f_o$            | Nominal               |       | 1005.5 |        | MHz  |
| Operating band             | $BW_{op}$        | Nominal               | 995.5 |        | 1015.5 | MHz  |
| Insertion Loss             | IL               | In $BW_{op}$          |       | 2.2    | 2.8    | dB   |
| Amplitude variation        | AV               | In $BW_{op}$          |       | 1.1    | 1.7    | dB   |
| VSWR                       | SWR              | At 21 °C in $BW_{op}$ |       | 1.7    | 2.3    |      |
| Rejections wrt 0 dB        | $R_{j1}$         | 0.3 ... 400 MHz       | 40    | 45     |        | dB   |
|                            | $R_{j2}$         | 400 ... 890 MHz       | 38    | 39     |        | dB   |
|                            | $R_{j3}$         | 890 ... 975 MHz       | 40    | 42     |        | dB   |
|                            | $R_{j4}$         | 1033 ... 2000 MHz     | 40    | 43     |        | dB   |
| Temperature Range          |                  | Operational           | -25   | 25     | 55     | °C   |
| RF Power                   | $P_{max}$        | in $BW_{op}$          |       |        | 17     | dBm  |
| I/p & O/P impedance        | $Z_{in}/Z_{out}$ | Unmatched             |       | 50     |        | Ohms |