

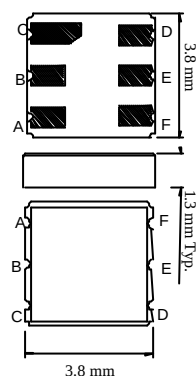
DATA SHEET

DS0177_03
27.09.01

TSF0869-04
869 MHz S.A.W. FILTER

PRELIMINARY SPECIFICATION

PACKAGE SMD3.8 OR SMD3



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

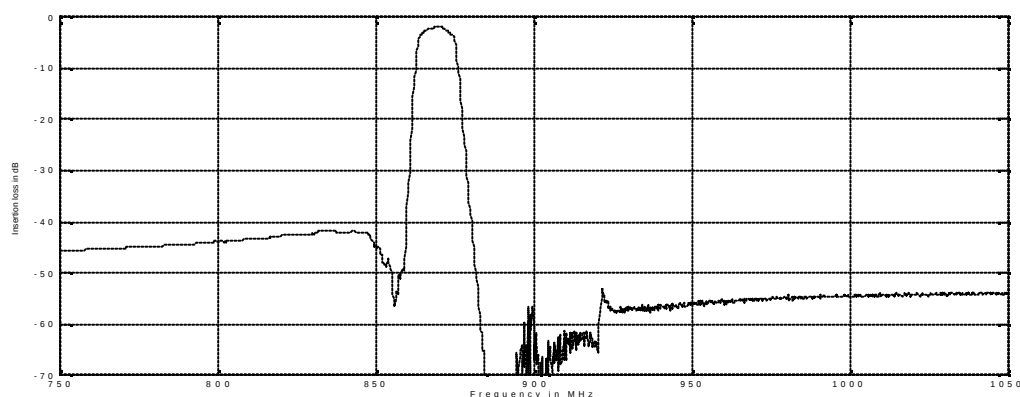
PRODUCT FEATURES:

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

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OR CONTACT YOUR TEKELEC TEMEX SALES
REPRESENTATIVE

TYPICAL PERFORMANCE (Measurement)



ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Centre Frequency	f_o	Nominal		869		MHz
Operating Band	BW_{op}	Nominal	868		870	MHz
Insertion Loss	IL	In BW_{op}		2	3	dB
Amplitude Variation	AV	In BW_{op}		0.3	0.8	dB
VSWR	SWR	In BW_{op} at 21 °C		1.4	2	
Rejections wrt 0 dB	R_{j1}	0.3 ... 856.4 MHz	40	42		dB
	R_{j2}	856.4 ... 858.5 MHz	20	25		dB
	R_{j3}	879 ... 883 MHz	20	25		dB
	R_{j4}	883 ... 1200 MHz	45	50		dB
	R_{j5}	1200 ... 2000 MHz	35	45		dB
Temperature Range		Operational	-40	25	85	°C
RF Power	P_{max}	In BW_{op}			17	dBm
I/p & O/P Impedance	Z_{in}/Z_{out}	Unmatched		50		Ohm