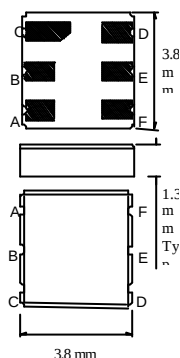


TSF1900-01

1.900 MHz SAW FILTER

PRELIMINARY SPECIFICATION (PROPOSAL)

PACKAGE 3.8X3.8 MM OR 3X3 MM SMD



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

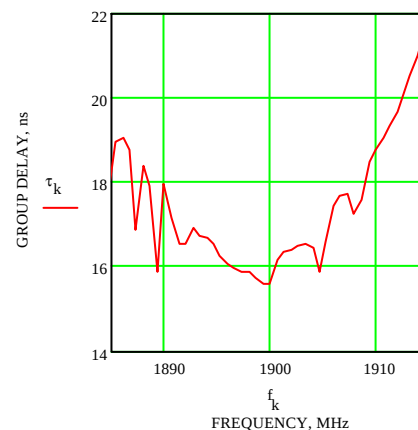
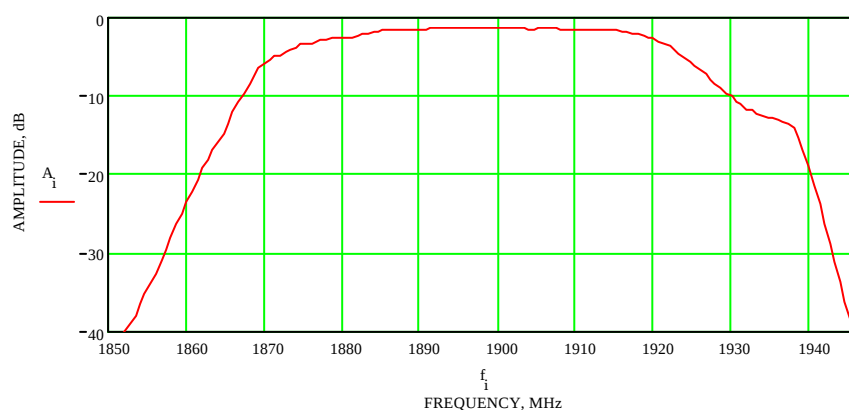
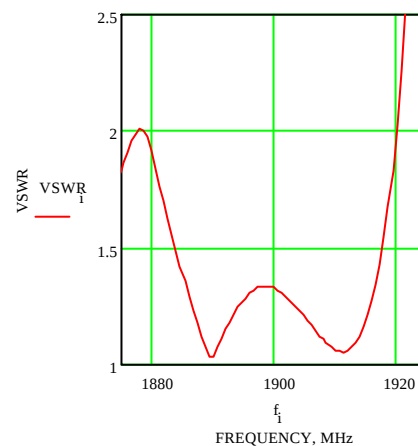
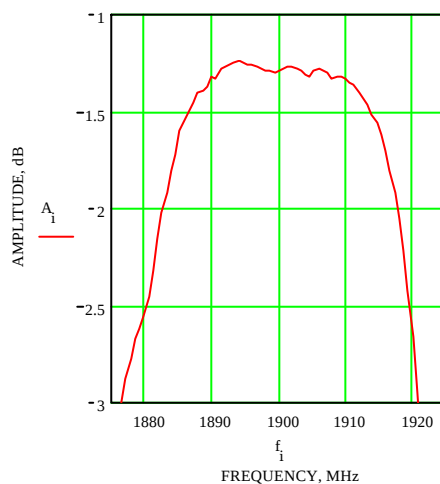
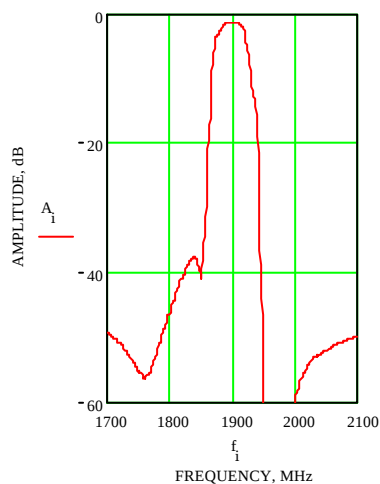
PRODUCT FEATURES :

- **Low Loss**
- **HIGH REJECTIONS**
- **SMALL SMD PACKAGE**

CONTACT : **TEMEX S.A.W.**
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➤ OR CONTACT YOUR TEKELEC TEMEX SALES REPRESENTATIVE

TYPICAL PERFORMANCE (Simulation)



DATA SHEET

DS0338 v.1
15.02.02

ELECTRICAL CHARACTERISTICS						
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Centre Frequency	f_o	Nominal		1900		MHz
Operating Bandwidth	BW_{Op}		1890		1910	
Insertion Loss	IL	In f_o		1.3	2.5	dB
Amplitude Variation	AV	In any 1.25 MHz segment in BW_{Op}		0.25	0.5	dB
Group Delay Variation	GDV	In BW_{Op}		5	30	ns
VSWR	SWR	In BW_{Op}		1.5	2	
Rejections wrt 0 dB	R_{j1}	0 ... 1800 MHz	38	42		dB
	R_{j2}	1970 ... 1990 MHz	47	55		dB
	R_{j3}	1990 ... 3000 MHz	38	43		dB
	R_{j4}	3000 ... 4000 MHz	30	35		dB
Temperature Range	T_{Op}	Operational	0	25	85	°C
RF Power	P_{max}	In BW_{Op}			0.5	W
I/p & O/P impedance	Z_{in}/Z_{out}	Unmatched		50		Ohm