

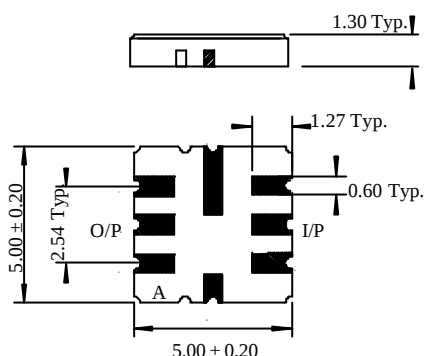
DATA SHEET

DS0289.03
05.03.02

TSF0110-01
110 MHz SAW FILTER

PRELIMINARY SPECIFICATION (PROPOSAL)

PACKAGE SMD5



All Dimensions in mm
Unused contacts to be connected to Ground

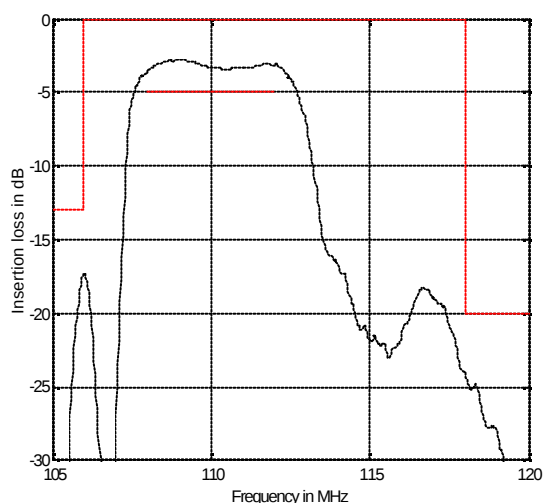
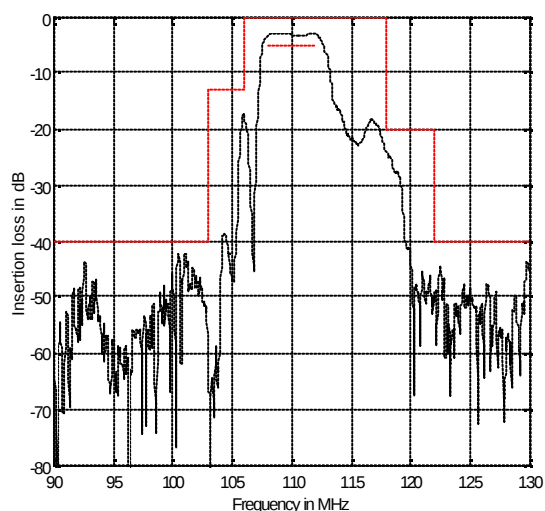
PRODUCT FEATURES:

- **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
Operating Frequency	f_o	Nominal		110		MHz
Operating Band	BW_{op}	Nominal	108		112	MHz
Insertion Loss	IL	In BW_{op}		4	5	dB
Rejections wrt 0 dB	R_{j1}	0 ... 103 MHz	40	48		dB
	R_{j2}	103 ... 106 MHz	13	30		dB
	R_{j3}	118 ... 122 MHz	20	50		dB
	R_{j4}	122 ... 300 MHz	40	50		dB
Temperature Range		Operational	-40	25	85	°C
RF Power	P_{max}	In BW_{op}			20	dBm
I/P & O/P Impedance	Z_{in}/Z_{out}	Matched, Parallel Inductance		250		Ohm
Matching Inductance	S_1, S_2	$Q > 40$		450		nH