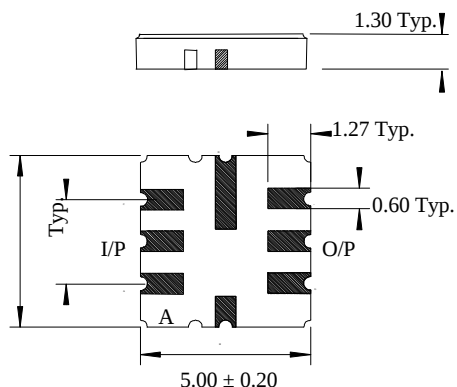


TSF0179-01 179 MHz GPS S.A.W. IF FILTER

STANDARD SPECIFICATION

PACKAGE SMD5



All Dimensions in mm
Unused contacts to be connected to Ground

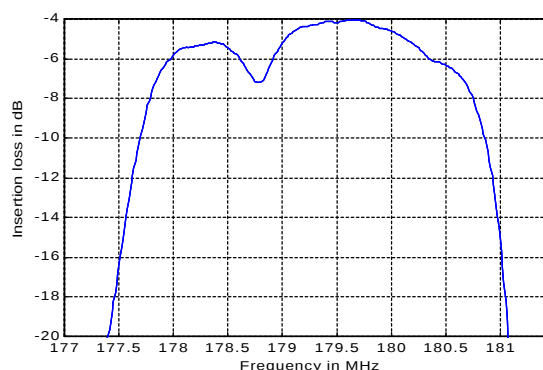
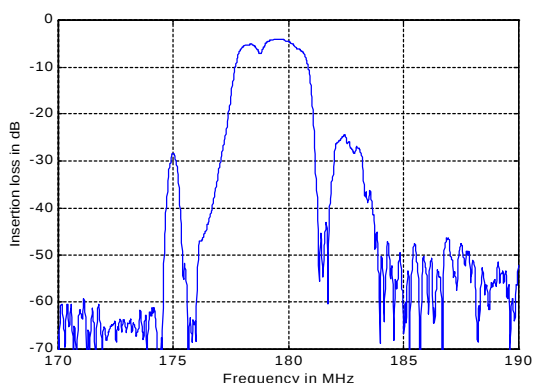
PRODUCT FEATURES :

- **SMALL SMD PACKAGE**
- **LOW GROUP DELAY RIPPLE**
- **LOW LOSS**

CONTACT : **TEMEX S.A.W.**
PUITS-GODET 8,
2000 NEUCHÂTEL
SWITZERLAND
TEL +41 32 722 18 28
FAX +41 32 722 18 29

OR CONTACT YOUR TEMEX SALES REPRESENTATIVE

TYPICAL PERFORMANCE



ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Centre Frequency	f_o	Nominal		179.281		MHz
Operating Frequency	f_{op}	Nominal	178.231		180.331	MHz
Lower 4 dB Point	F_{4L}	Wrt min IL in T_{op}		177.85	178.231	MHz
Upper 4 dB Point	F_{4U}	Wrt min IL in T_{op}	180.331	180.65		MHz
Insertion Loss	IL	@ f_o in T_{op}		4.5	5.7	dB
Group Delay Variation	GD_v	in $f_o \pm 0.9$ MHz		0.45	0.7	μs
Rejections wrt 0 dB	R_{j1T}	50.0 ... 174.1 MHz	45	50		dB
in T_{op}	R_{j2T}	174.1 ... 176.6 MHz	22	35		dB
	R_{j3T}	181.8 ... 184.3 MHz	22	30		dB
	R_{j4T}	184.3 ... 250.0 MHz	40	45		dB
DC Voltage	V_{DC}				2.0	V
Temperature Range	T_{op}	Operational	-20	25	70	$^{\circ}C$
I/p & O/P impedance	Z_{in}/Z_{out}	Unmatched		300		Ohms

Please Note: This specification is subject to modification without notice.