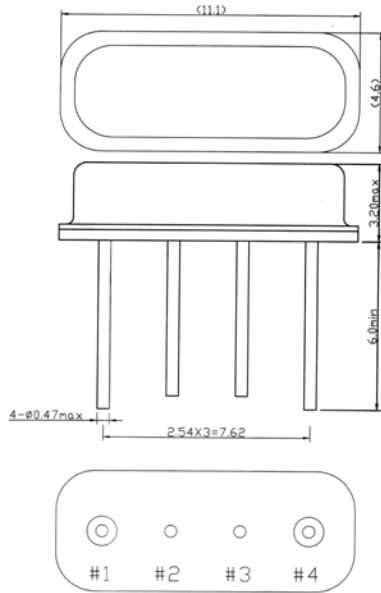


Part Number

284 MHz SAW Filter Pager

TSF0284-L1

SPECIFICATION



All Dimensions in mm

Input: 1

Output: 4

Ground: 2, 3

PRODUCT FEATURES :

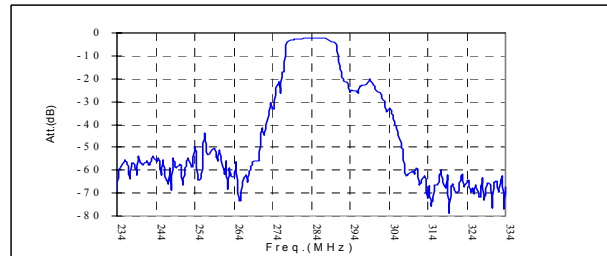
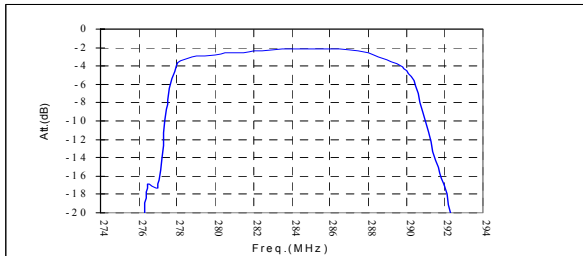
- **HIGH STABILITY**
- **LOW LOSS**
- **SMALL SIZE**

CONTACT :

TEMEX S.A.W.
PUITS-GODET 8,
2000 NEUCHÂTEL
SWITZERLAND
TEL : ++41 32 722 18 20
FAX : ++41 32 722 18 29

- *OR CONTACT YOUR TEKELEC TEMEX SALES REPRESENTATIVE*

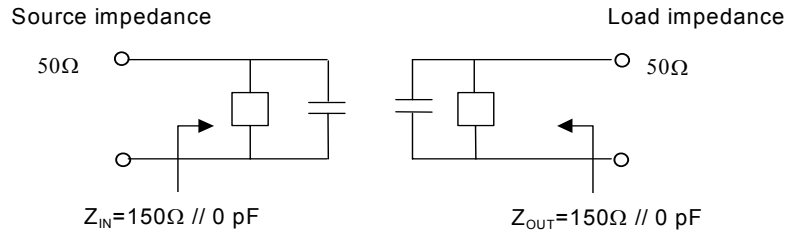
TYPICAL PERFORMANCE (Measurement)



ELECTRICAL SPECIFICATIONS

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Central Frequency	f_0	Nominal		284		MHz
3 dB bandwidth	Δf		8.0	12.5		MHz
Insertion Loss	IL	Within $f_0 \pm 4$ MHz		2.5	4.5	dB
Amplitude variation	AV	Within $f_0 \pm 4$ MHz		1.5	2.0	dB
Rejection wrt 0dB	R_{j1}	$f_0 - 100$... $f_0 - 37.5$ MHz	48	55		dB
	R_{j2}	$f_0 + 37.5$... $f_0 + 100$ MHz	48	55		dB
I/P & O/P impedance	Z_{in}/Z_{out}	Unmatched (see note 1)		150		Ω

Note 1:



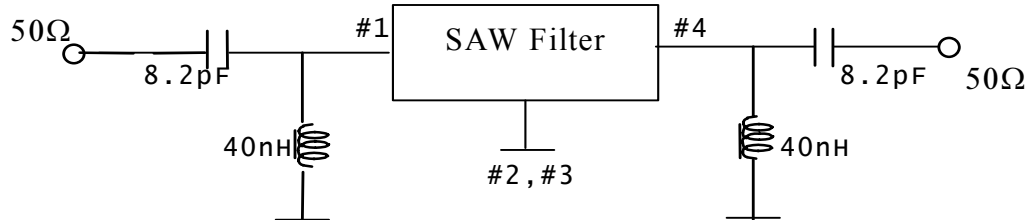
OPERATIONAL ENVIRONMENT

Parameter	Conditions	Min	Typ	Max	Unit
Power Dissipation	Maximum			0	dBm
DC Voltage	Maximum			10	V
Storage Temperature		-40		+85	°C
Operating Temperature	Operational	-10		+50	°C

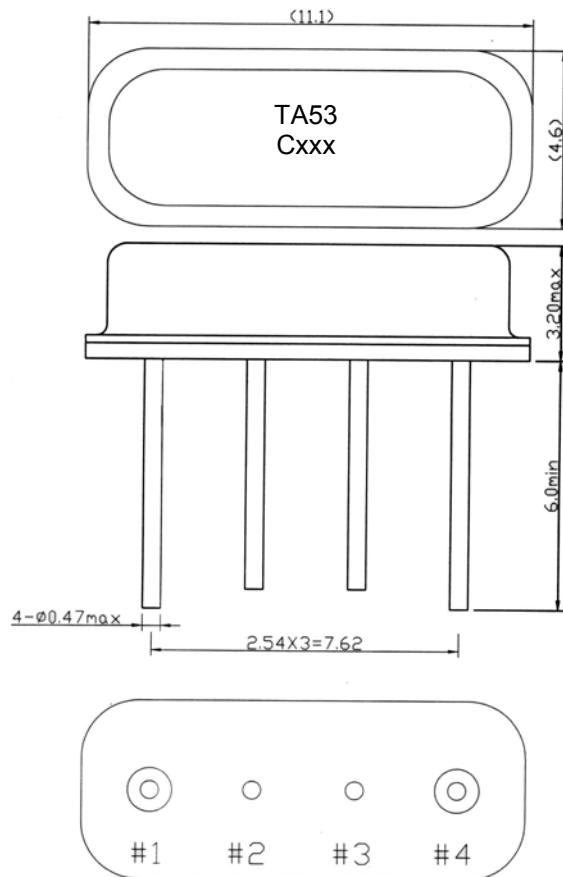
Test Item	Condition of Test	Requirements
Shock (Drop Test)	Random free drops 3 times from height of 1.0 meter onto concrete floor.	The specimens shall meet the electrical specifications.
Vibration	Total peak amplitude : 1.5 mm Vibration frequency : 10 to 55 Hz Sweep period : 1.0 minute Vibration directions : 3 mutually perpendicular Duration : 2 hours / direction	
Solderability (Solder Heat)	Immersed pad in soldering bath at $245 \pm 5^\circ\text{C}$ for 5 ± 0.5 seconds.	75% or more of the immersed surface shall be covered with solder.
Temperature Characteristics	Specimens shall be measured within -10°C to $+50^\circ\text{C}$ temperature range.	The specimen shall meet the electrical specifications.
Dry Heat (Aging Test)	Temperature : $125 \pm 2^\circ\text{C}$ Duration : 250 hours	
Cold Resistance	Temperature : $-40 \pm 3^\circ\text{C}$ Duration : 96 hours	
Thermal Shock	Heat cycle conditions -55°C 25°C 85°C (30 min) (5 min) (30 min) Cycle time : 5 times	

TEST CIRCUIT

HP Network analyzer



MARKING SPECIFICATION



Where xxx is the lot number