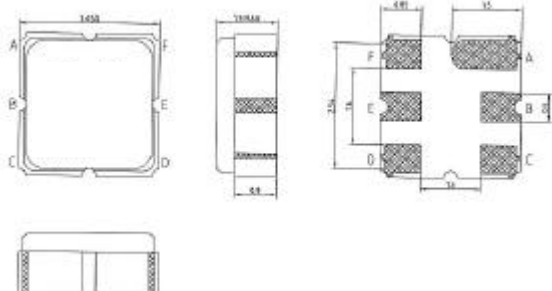


Part Number

TSF0881-L3

881.5 MHz SAW Filter CDMA

SPECIFICATION



All Dimensions in mm

Input: B

Output: E

Unused contacts to be connected to Ground

PRODUCT FEATURES :

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

CONTACT :

TEMEX S.A.W.

PUITS-GODET 8,

2000 NEUCHÂTEL

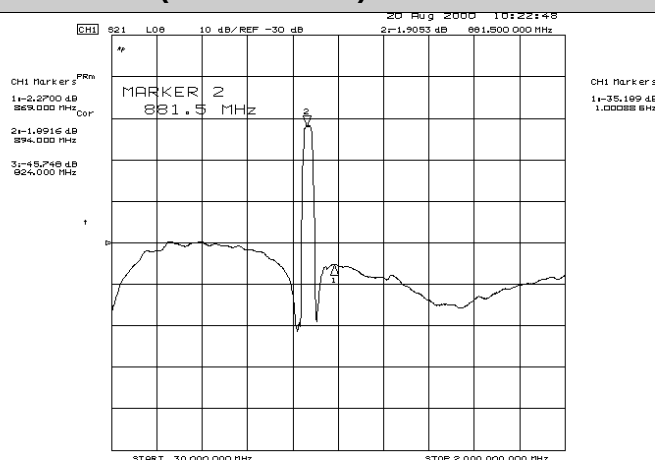
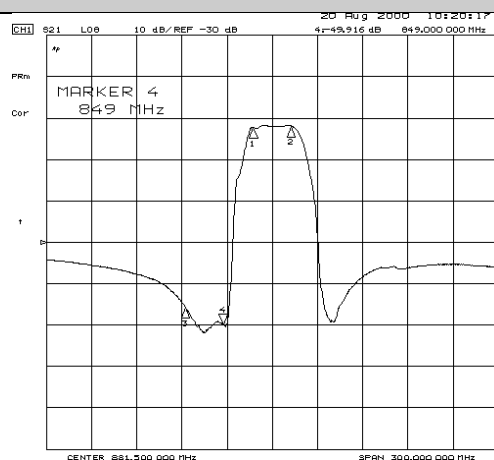
SWITZERLAND

TEL. : ++41 32 722 18 20

FAX : ++41 32 722 18 29

➤ OR CONTACT YOUR TEKELEC TEMEX SALES REPRESENTATIVE

TYPICAL PERFORMANCE (Measurement)

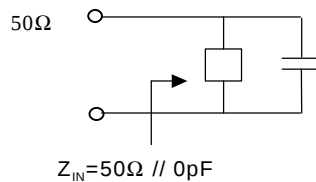


ELECTRICAL SPECIFICATIONS

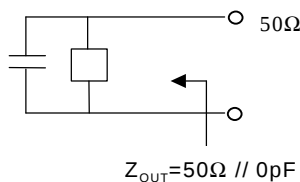
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Central Frequency	f_o	Nominal		881.5		MHz
Operational Bandwidth	BW_{op}	Nominal	25			MHz
Insertion Loss	IL_{min}	In BW_{op}		2.7	3.5	dB
Amplitude ripple	A_r	In BW_{op}		1.2	2.0	dB
VSWR	SWR	In BW_{op}		2.3	2.5	
Rejection IL_{min} rel.	R_{j1}	10 ... 824 MHz	26.0	29.0		dB
	R_{j2}	824 ... 849 MHz	35.0	42.0		dB
	R_{j3}	914 ... 939 MHz	20.0	32.0		dB
	R_{j4}	939 ... 1049 MHz	30.0	35.0		dB
	R_{j5}	1049 ... 2000 MHz	25.0	36.0		dB
I/p & O/P impedance	Z_{in}/Z_{out}	Unmatched (note 1)		50		Ohms

Note 1:

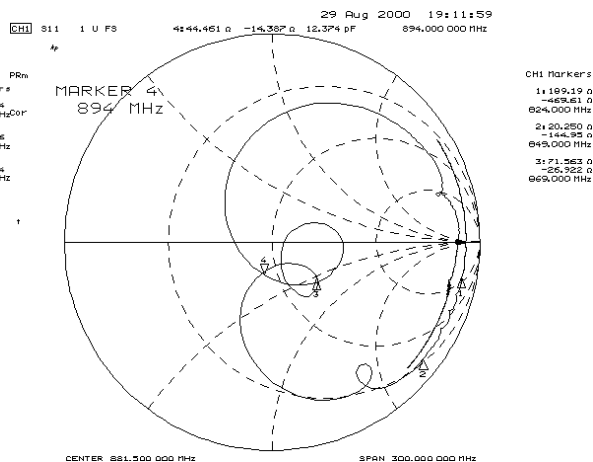
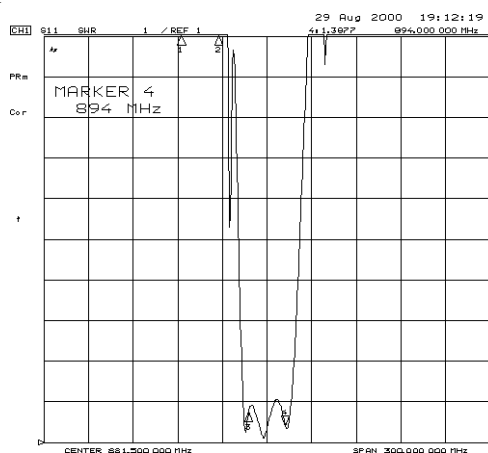
Source impedance



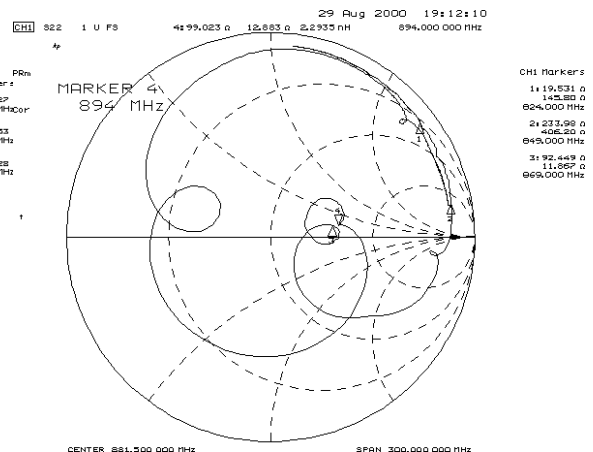
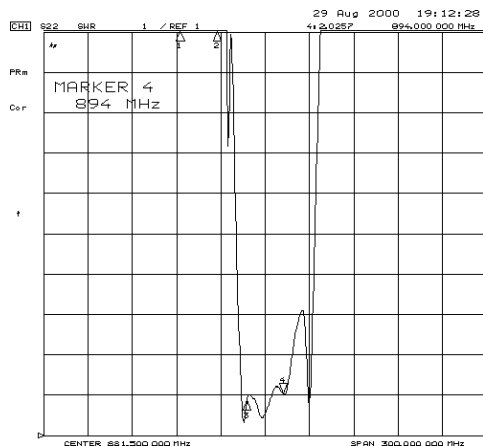
Load impedance



S_{11} :



S_{22} VSWR:

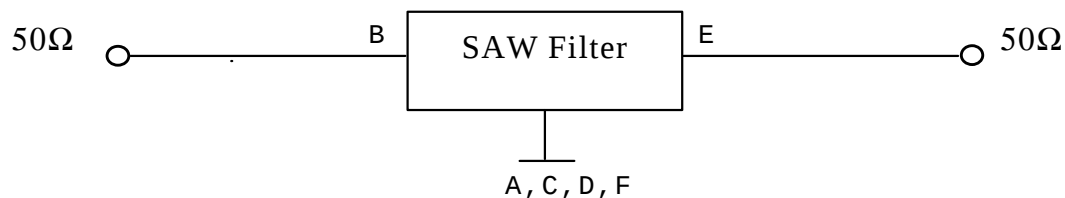


OPERATIONAL ENVIRONMENT

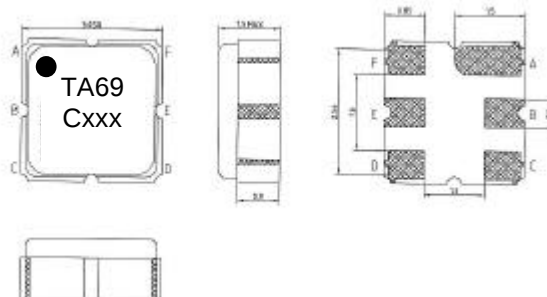
Parameter	Conditions	Min	Typ	Max	Unit
Power Dissipation	Maximum			10	dBm
DC Voltage	Maximum		0		V
Storage Temperature		-40		+85	°C
Operating Temperature	Operational	-30		+85	°C

TEST REQUIREMENT		
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