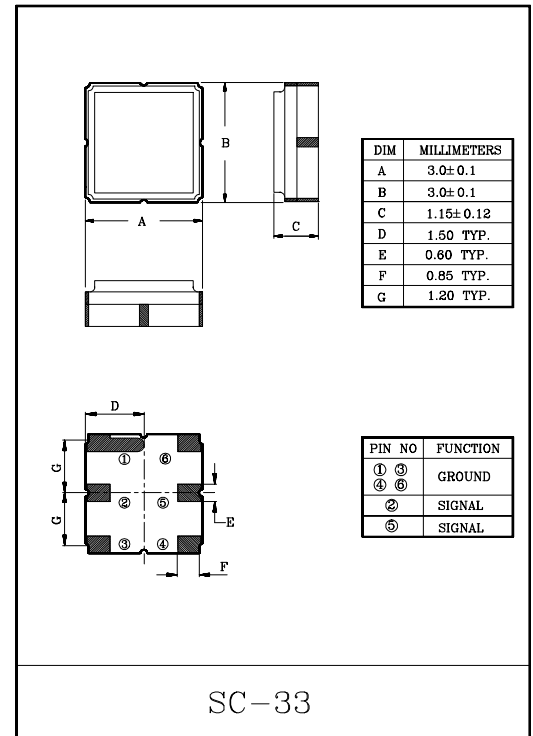


Band pass filter for RX of AMPS/TDMA/CDMA

- High stability and reliability with good performance and no adjustment.
- Wide and sharp pass band characteristics.
- Low insertion loss and deep stop band attenuation for interference.

### MAXIMUM RATINGS

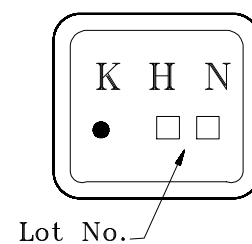
ITEM	SYMBOL	RATING	UNIT
Input Signal Level	$IS_{max}$	+23	dBm
DC Permissive Voltage	$V_{DC}$	-5~+5	V
Operating Temperature Range	$T_{opr}$	-30~+85	°C
Storage Temperature Range	$T_{stg}$	-40~+100	°C



### ELECTRICAL CHARACTERISTICS (Ta=-30 to +85°C)

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	$f_0$	-	-	881.5	-	MHz
Bandwidth	$BW_{3dB}$	-	$f_0 \pm 12.5$	-	-	MHz
Insertion Loss	$IL_{PASS}$	$f_0 \pm 12.5$ MHz	-	2.3	3.5	dB
Ripple Level	$A_{RIP}$	$f_0 \pm 12.5$ MHz	-	1.0	2.0	dB
Rejection Level	$IL_{STOP}$	DC~800MHz	25	27	-	dB
		800~849MHz	30	36	-	
		914~939MHz	20	35	-	
		939~1049MHz	30	34	-	
		1049~2000MHz	25	32	-	
Voltage Standing Wave Ratio	VSWR	$f_0 \pm 12.5$ MHz	-	2.2	2.7	-
Input/Output Impedance	$Z_i(Z_o)$	-	-	50Ω//0pF	-	-

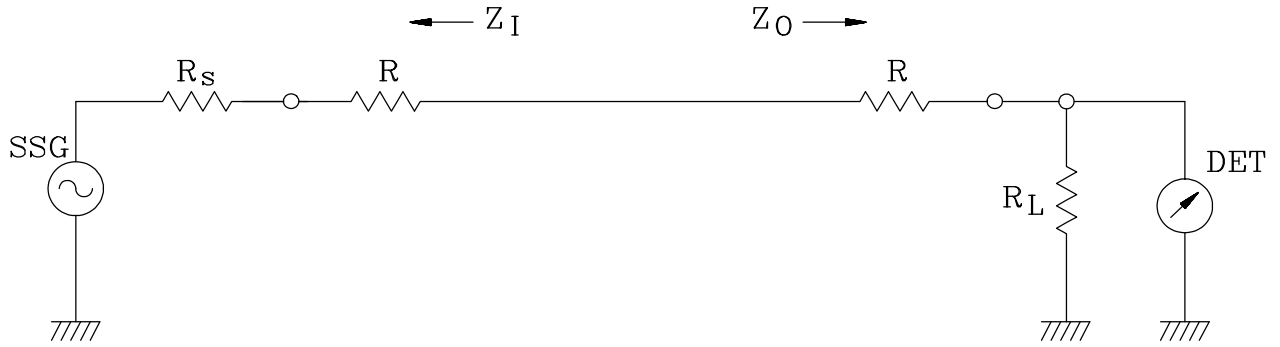
### MARKING



# KF881FU

## TEST CIRCUIT

### REFERENCE LEVEL TEST CIRCUIT

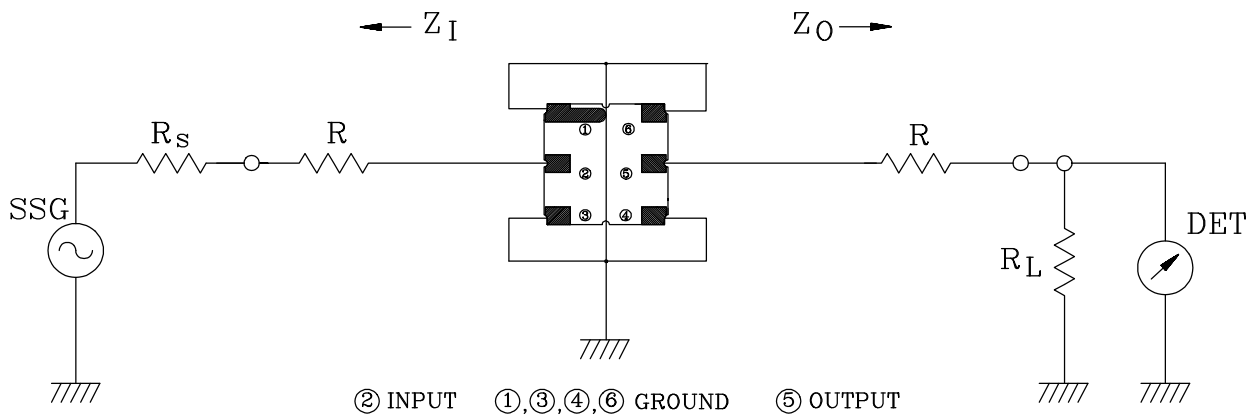


$R_s, R_L : 50\Omega$  (Internal Impedance of Source and Load)

$R : 0\Omega$

$Z_I(Z_O)=R_s(R_L)+R$

### MEASUREMENT CIRCUIT

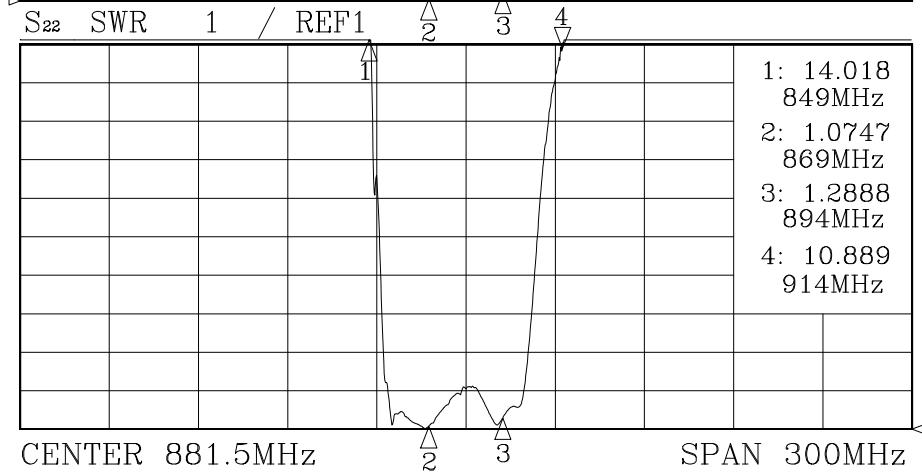
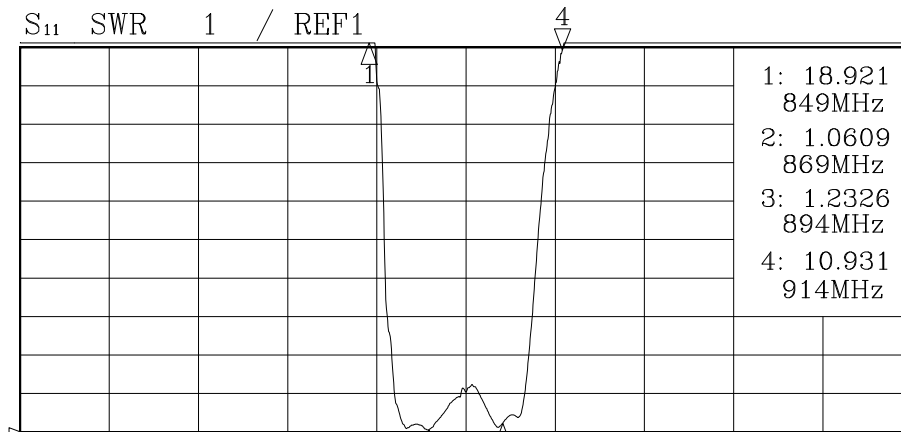
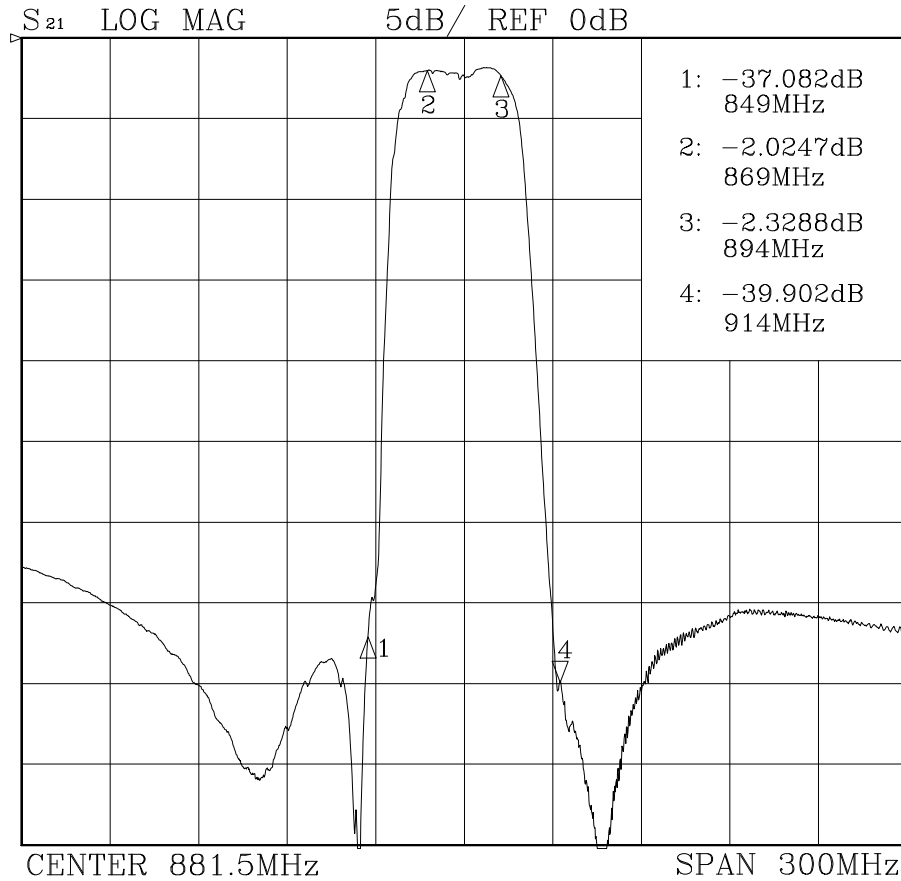


$R_s, R_L : 50\Omega$  (Internal Impedance of Source and Load)

$R : 0\Omega$

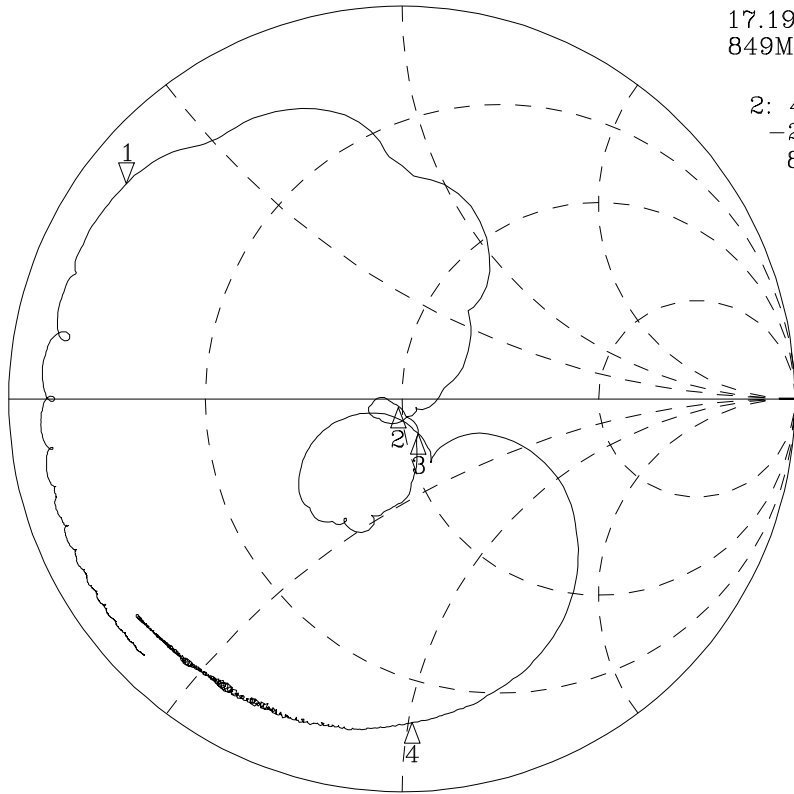
$Z_I(Z_O)=R_s(R_L)+R$

# KF881FU



# KF881FU

S<sub>11</sub> 1UFS



1: 3.2578Ω  
17.192Ω  
849MHz

2: 49.107Ω  
-2.0547Ω  
869MHz

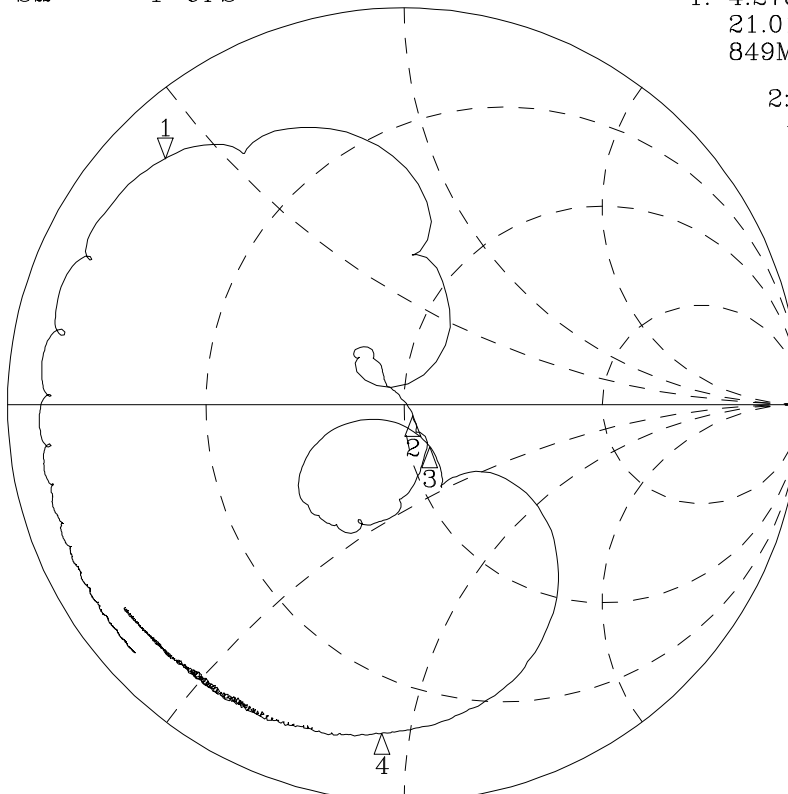
3: 53.473Ω  
-9.5059Ω  
894MHz

4: 9.8301Ω  
-50.689Ω  
914MHz

CENTER 881.5MHz

SPAN 300MHz

S<sub>22</sub> 1 UFS



1: 4.2783Ω  
21.012Ω  
849MHz

2: 52.207Ω  
-2.9746Ω  
869MHz

3: 55.660Ω  
-12.098Ω  
849MHz

4: 8.6035Ω  
-46.059Ω  
914MHz

CENTER 881.5MHz

SPAN 300MHz

# KF881FU

