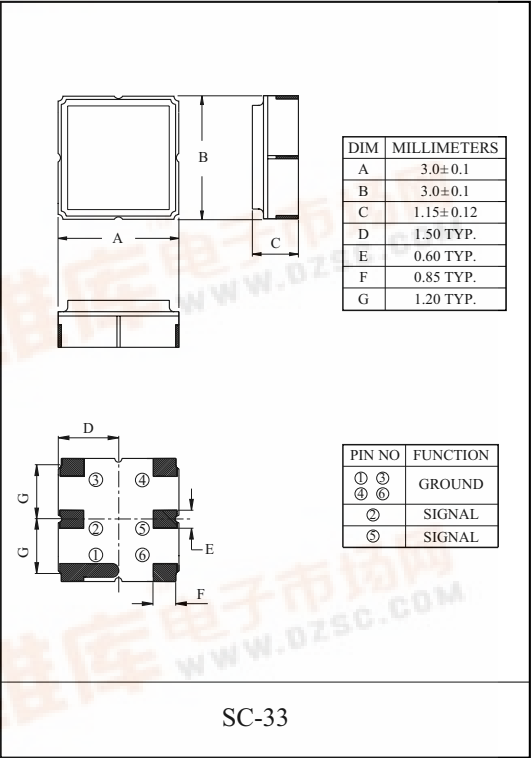


Band pass filters for TX of AMPS/TDMA/CDMA

- 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

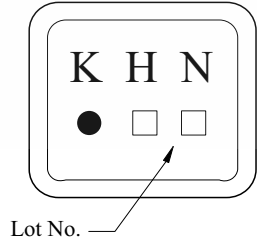
ITEM	SYMBOL	RATING	UNIT
Input Signal Level	IS_{max}	+15	dBm
DC Permissive Voltage	V_{DC}	5	V
Operating Temperature Range	T_{opr}	-30 ~ +85	℃
Storage Temperature Range	T_{stg}	-40 ~ +85	℃



ELECTRICAL CHARACTERISTICS (Ta=-30 to 85 ℃)

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.(25 ℃)	MAX.	UNIT
Nominal Center Frequency	f_0	-	-	881.5	-	MHz
Bandwidth	BW_{3dB}	-	$f_0 \pm 12.5$	-	-	MHz
Insertion Loss	IL_{PASS}	$f_0 \pm 12.5MHz$	-	3.0	3.5	dB
Ripple Level	A_{RIP}	$f_0 \pm 12.5MHz$	-	1.0	2.0	dB
Rejection Level	IL_{STOP}	DC ~ 800MHz	25	30	-	dB
		800 ~ 849MHz	33	38	-	
		914 ~ 939MHz	20	33	-	
		939 ~ 1049MHz	30	34	-	
		1049 ~ 2000MHz	25	30	-	
Voltage Standing Wave Ratio	VSWR	$f_0 \pm 12.5MHz$	-	1.9	2.2	-
Input/Output Impedance	$Z_I(Z_O)$	-	-	50 Ω	-	-

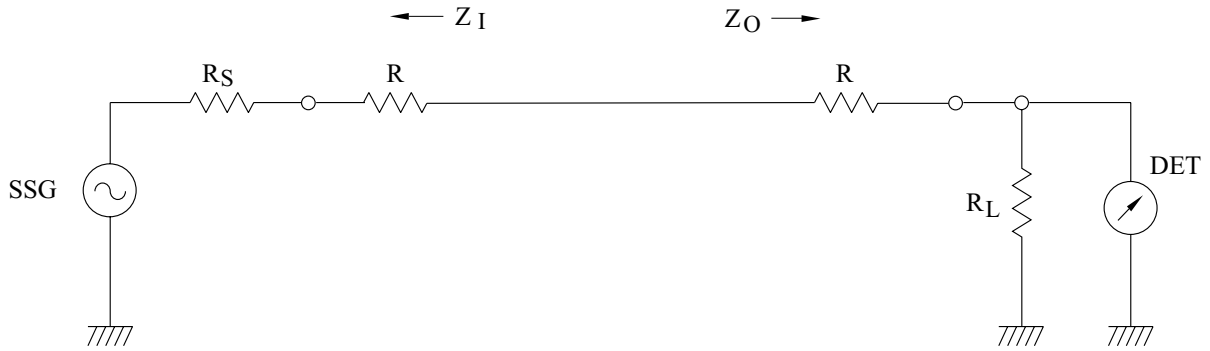
MARKING



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TEST CIRCUIT

REFERENCE LEVEL TEST CIRCUIT

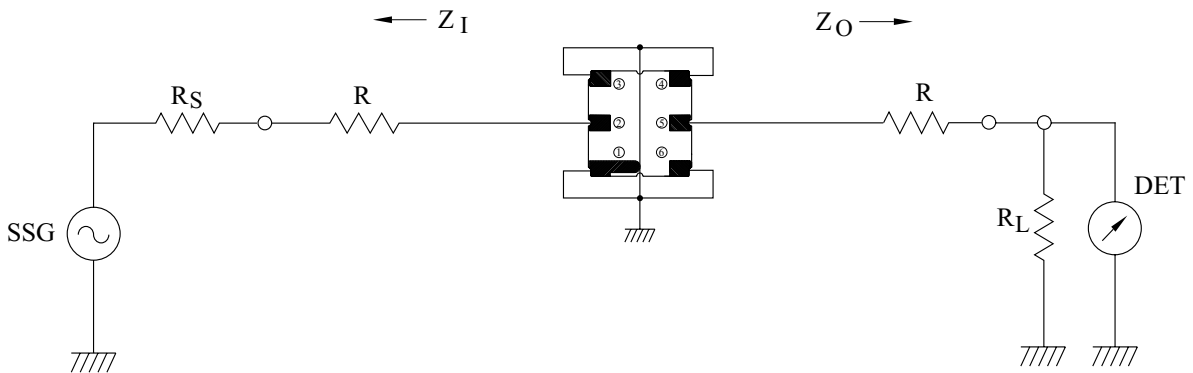


$R_S, R_L : 50 \Omega$ (Internal Impedance of Source and Load)

$R : 0 \Omega$

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

MEASUREMENT CIRCUIT



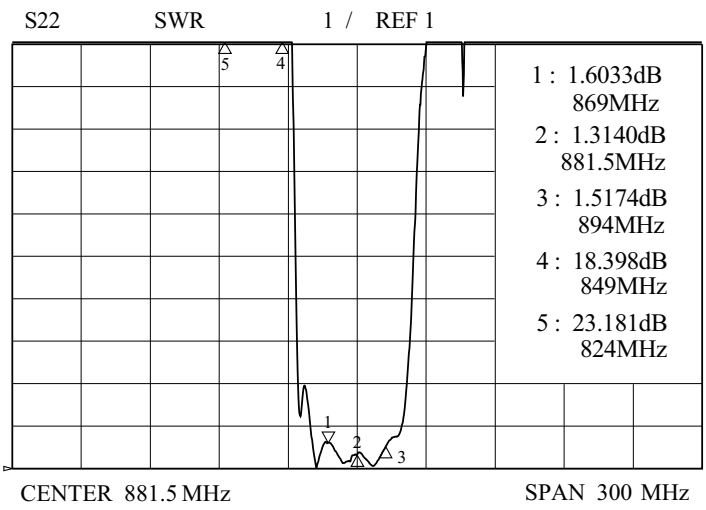
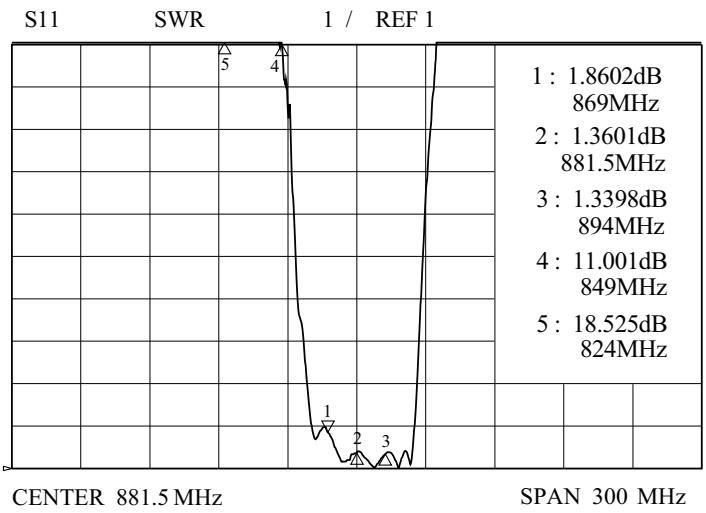
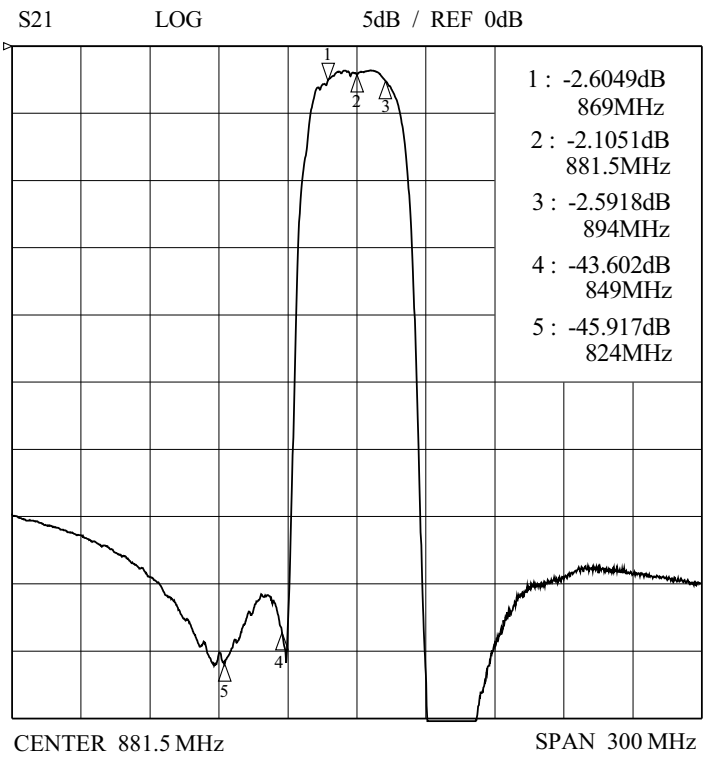
② : INPUT ①, ③, ④, ⑥ : GROUND ⑤ : OUTPUT

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

$R : 0 \Omega$

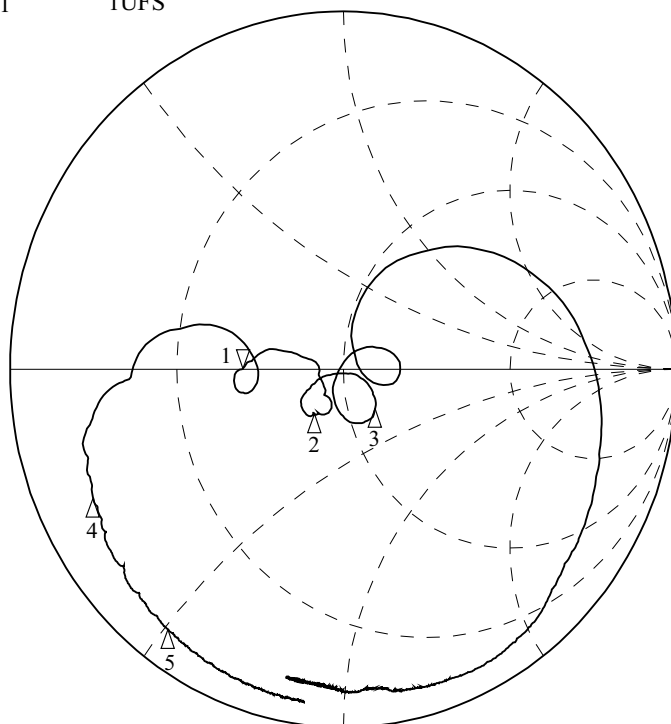
$Z_I(Z_O)=R_S(R_L)+R$

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S11 1UFS

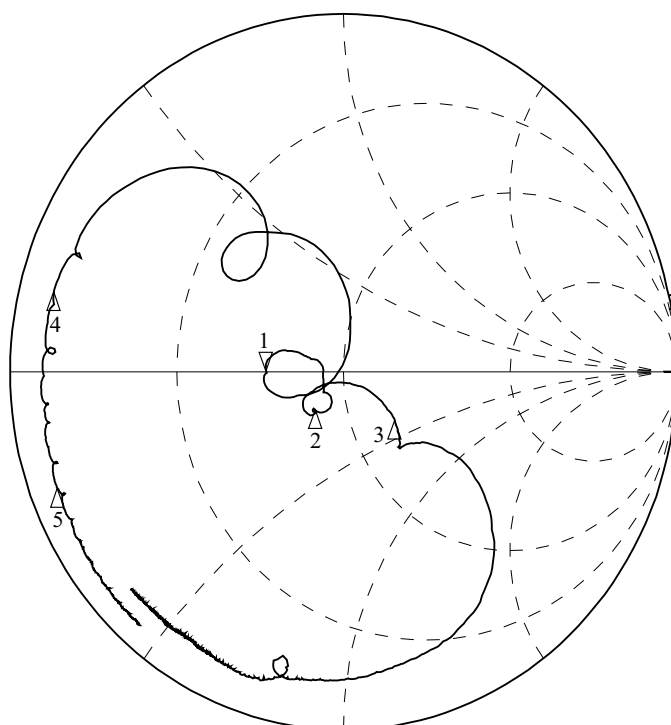


- 1 : 26.877 Ω
0.1191 Ω
21.820pH
869MHz
- 2 : 40.729 Ω
-10.402 Ω
881.5MHz
- 3 : 58.988 Ω
-13.168 Ω
894MHz
- 4 : 4.7778 Ω
-11.266 Ω
849MHz
- 5 : 3.3994 Ω
-26.450 Ω
824MHz

CENTER 881.5 MHz

SPAN 300 MHz

S22 1UFS



- 1 : 31.186 Ω
0.1377 Ω
25.219pH
869MHz
- 2 : 41.365 Ω
-8.9844 Ω
881.5MHz
- 3 : 65.289 Ω
-18.492 Ω
894MHz
- 4 : 2.7603 Ω
6.3049 Ω
849MHz
- 5 : 2.2280 Ω
-9.1548 Ω
824MHz

CENTER 881.5 MHz

SPAN 300 MHz

KF881FU

