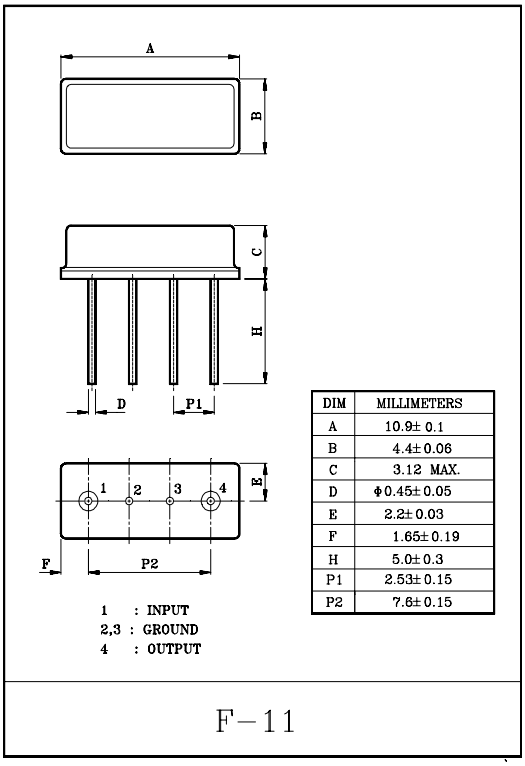
Band pass filters for the receiving RF circuits of pager

- 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.
- Terminating Impedance : 50Ω.
- SMD Type : KF930AS(SC-45), KF930AV(SC-44).



DIM	MILLIMETERS
A	10.9± 0.1
B	4.4± 0.06
C	3.12 MAX.
D	φ0.45± 0.05
E	2.2± 0.03
F	1.65± 0.19
H	5.0± 0.3
P1	2.53± 0.15
P2	7.6± 0.15

F-11

MAXIMUM RATINGS (Ta=25℃)

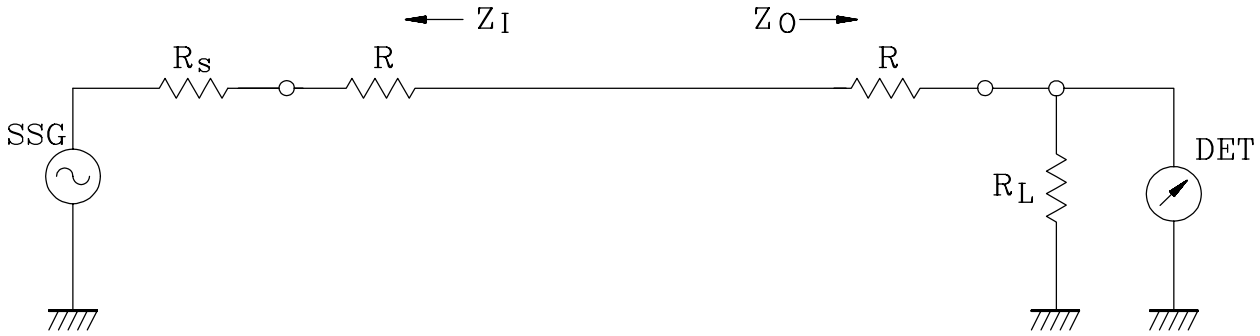
ITEM	SYMBOL	RATING	UNIT
Input Signal Level	IS_{max}	0	dBm
DC Permissive Voltage	V_{DC}	+10	V
Operating Temperature Range	T_{opr}	-10~+50	℃
Storage Temperature Range	T_{stg}	-30~+85	℃

ELECTRICAL CHARACTERISTICS (Temperature 20±2℃, Humidity 65±5%)

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	fo	-	-	930.5	-	MHz
Bandwidth	BW_{3dB}	-	f_O±2.0	-	-	MHz
Insertion Loss	IL_{PASS}	f_O±2.0MHz	-	-	4.0	dB
Ripple Level	A_{RIP}	f_O±2.0MHz	-	-	2.0	dB
Rejection Level	IL_{STOP}	f_O-400~f_O-40.8MHz	40	-	-	dB
		f_O+50~f_O+400MHz	40	-	-	dB
Input/Output Impedance	$Z_I(Z_O)$	-	-	50Ω	-	-

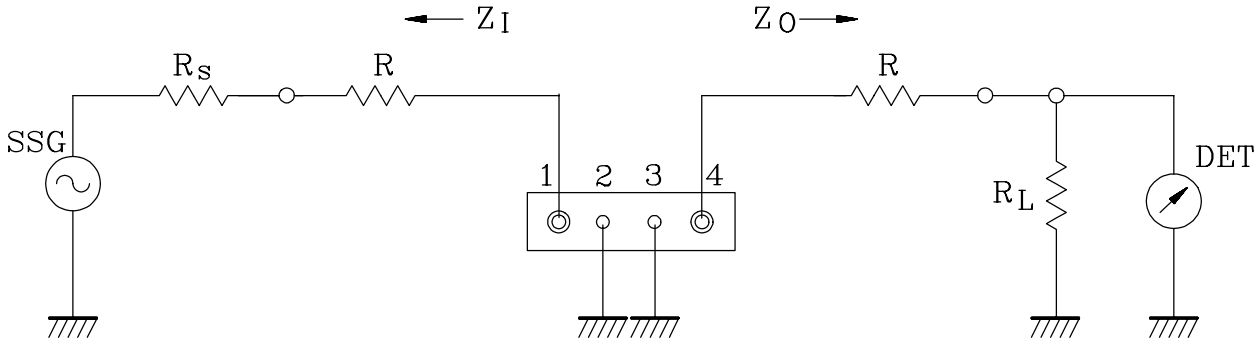
TEST CIRCUIT

REFERENCE LEVEL TEST CIRCUIT



R_S, R_L : 50Ω (Internal Impedance of Source and Load)
R : 0Ω
$Z_I(Z_O)=R_S(R_L)+R$

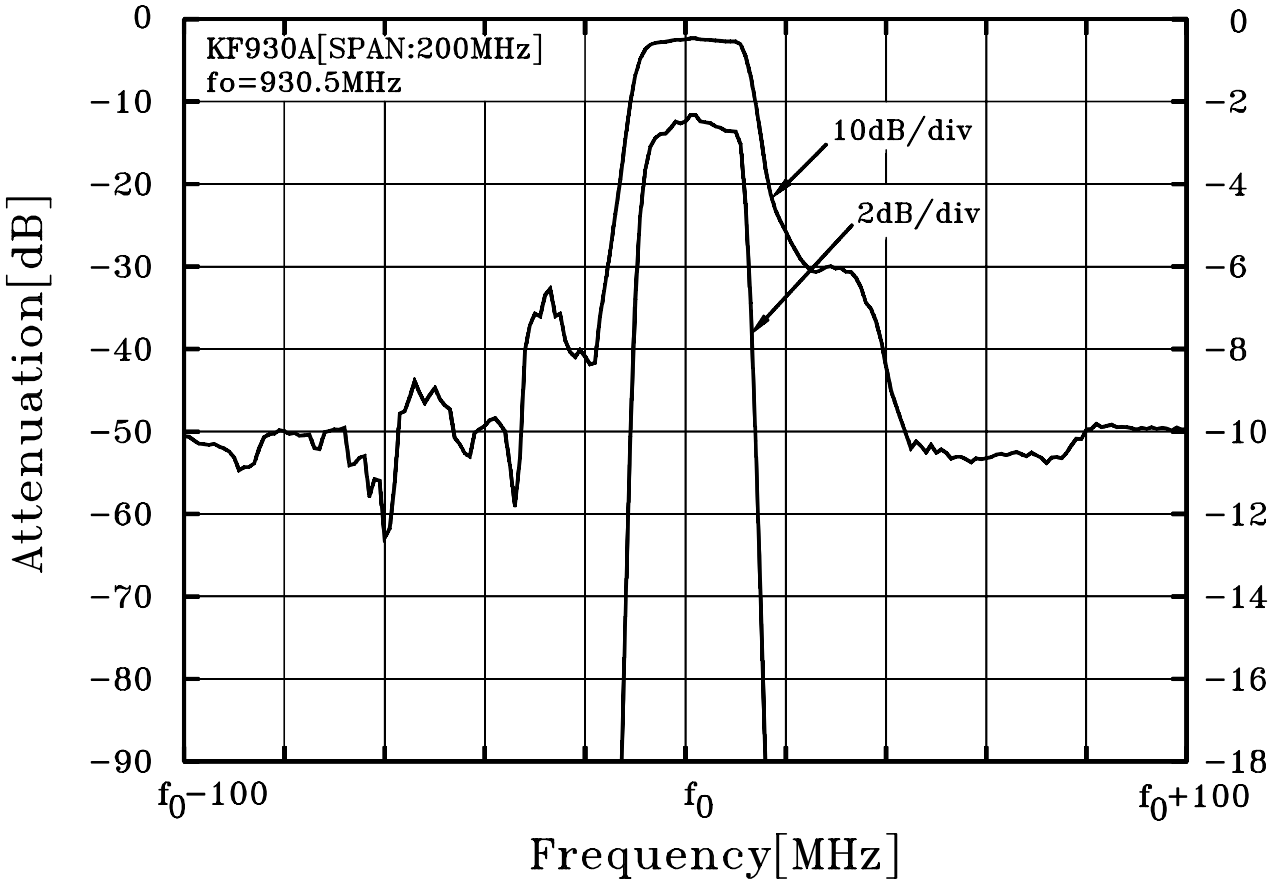
MEASUREMENT CIRCUIT



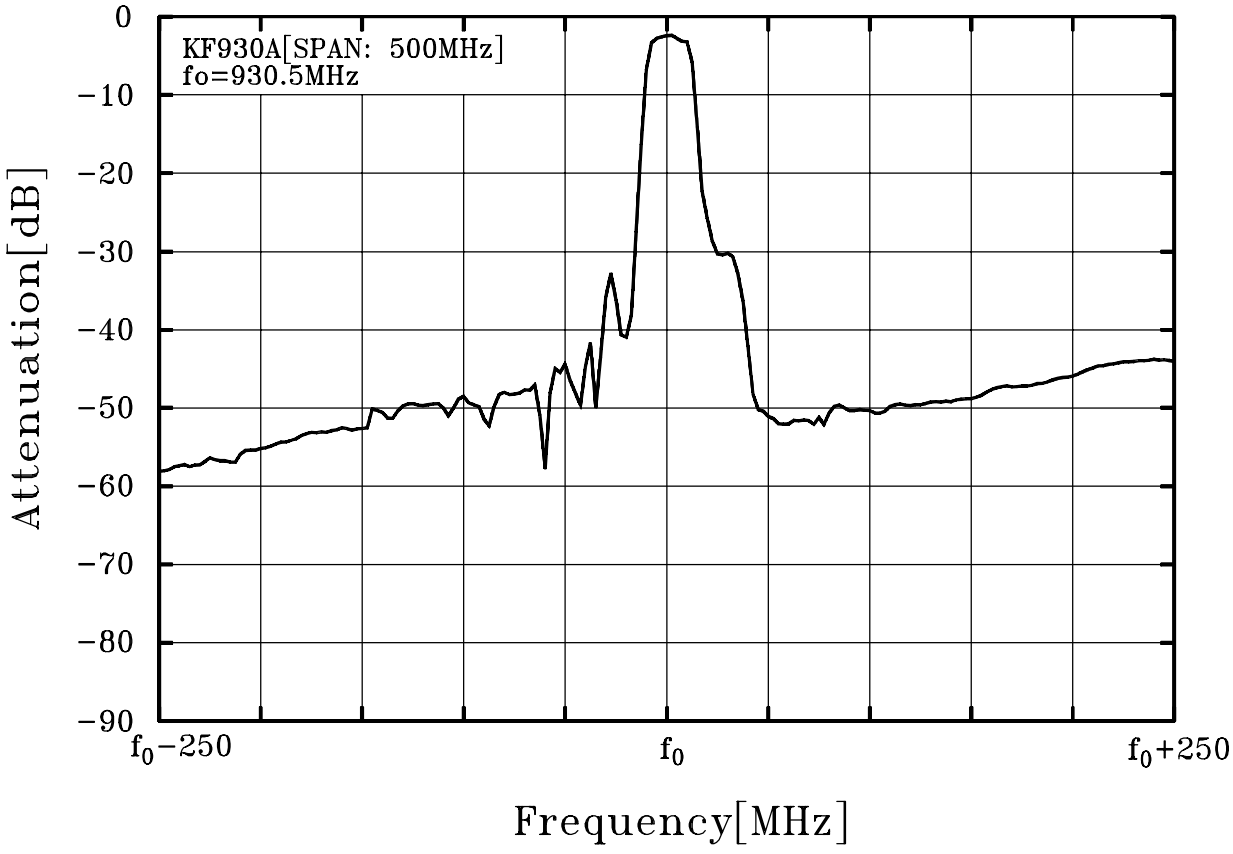
1: Input 2,3: Ground 4: Output

R_S, R_L : 50Ω (Internal Impedance of Source and Load)
R : 0Ω
$Z_I(Z_O)=R_S(R_L)+R$

ATT – f


KF930A[SPAN:200MHz]
fo=930.5MHz
10dB/div
2dB/div
Attenuation[dB]
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
0
-2
-4
-6
-8
-10
-12
-14
-16
-18
f0-100
f0
f0+100
Frequency[MHz]

ATT – f


KF930A[SPAN: 500MHz]
fo=930.5MHz
Attenuation[dB]
0
-10
-20
-30
-40
-50
-60
-70
-80
-90
f0-250
f0
f0+250
Frequency[MHz]