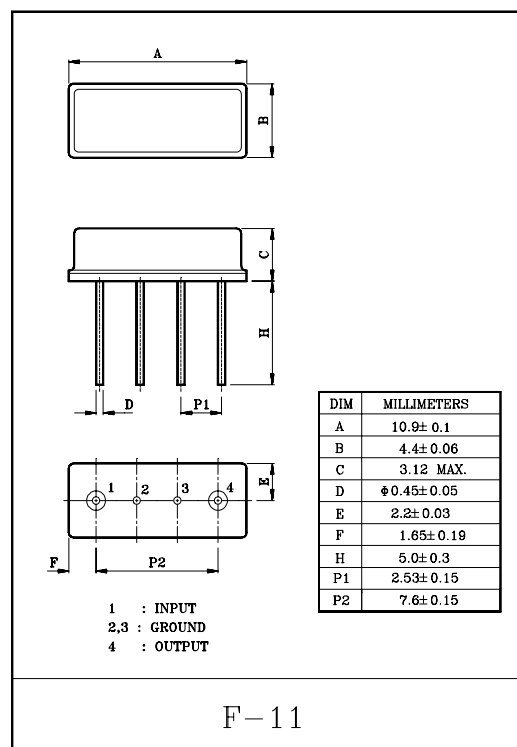


Band pass filters for the receiving RF circuits of pager

- 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 + Series L(10nH)
- SMD Type : KF930S(SC-45), KF930V(SC-44).

MAXIMUM RATINGS ($T_a=25^\circ\text{C}$)

ITEM	SYMBOL	RATING	UNIT
Input Signal Level	$IS_{\max}$	0	dBm
DC Permissive Voltage	V_{DC}	+10	V
Operating Temperature Range	T_{opr}	$-10\sim+50$	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-30\sim+85$	$^\circ\text{C}$

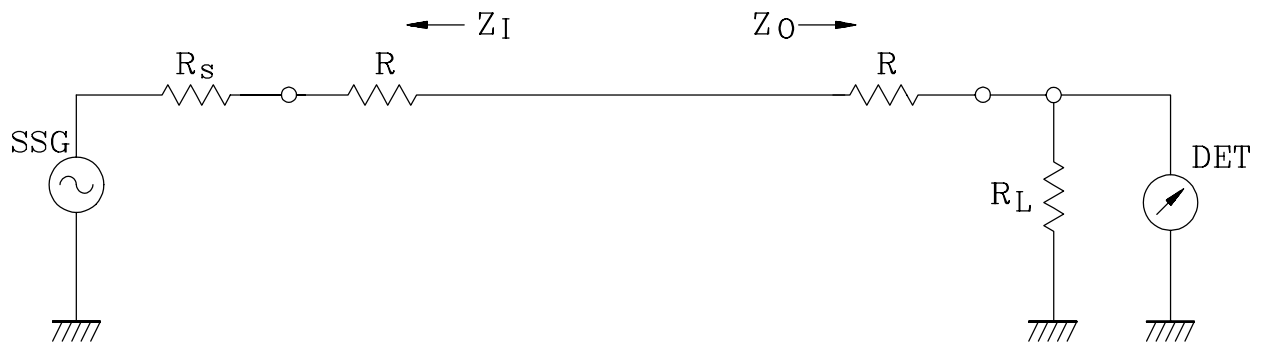


ELECTRICAL CHARACTERISTICS (Temperature $20 \pm 2^\circ\text{C}$, Humidity $65 \pm 5\%$)

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	f_o	-	-	930.5	-	MHz
Bandwidth	BW_{3dB}	-	$f_o \pm 2.0$	-	-	MHz
Insertion Loss	IL_{PASS}	$f_o \pm 2.0\text{MHz}$	-	-	4.0	dB
Ripple Level	A_{RIP}	$f_o \pm 2.0\text{MHz}$	-	-	2.0	dB
Rejection Level	IL_{STOP}	$f_o - 400 \sim f_o - 40.8\text{MHz}$	45	-	-	dB
		$f_o + 50 \sim f_o + 400\text{MHz}$	45	-	-	dB
Input/Output Impedance	$Z_I(Z_O)$	-	-	50Ω + Series L(10nH)	-	-

TEST CIRCUIT

REFERENCE LEVEL TEST CIRCUIT

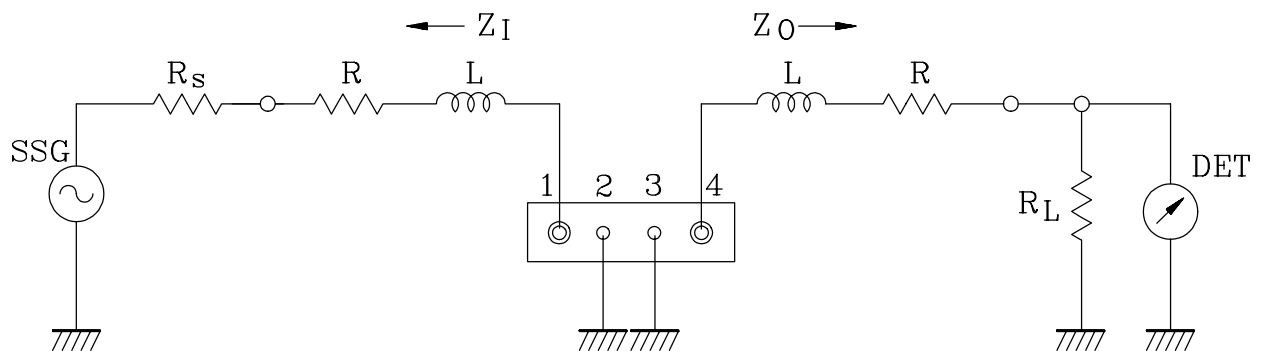


$R_s, R_L : 50\Omega$ (Internal Impedance of Source and Load)

$R : 0\Omega$

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

MEASUREMENT CIRCUIT



1: Input 2,3: Ground 4: Output

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

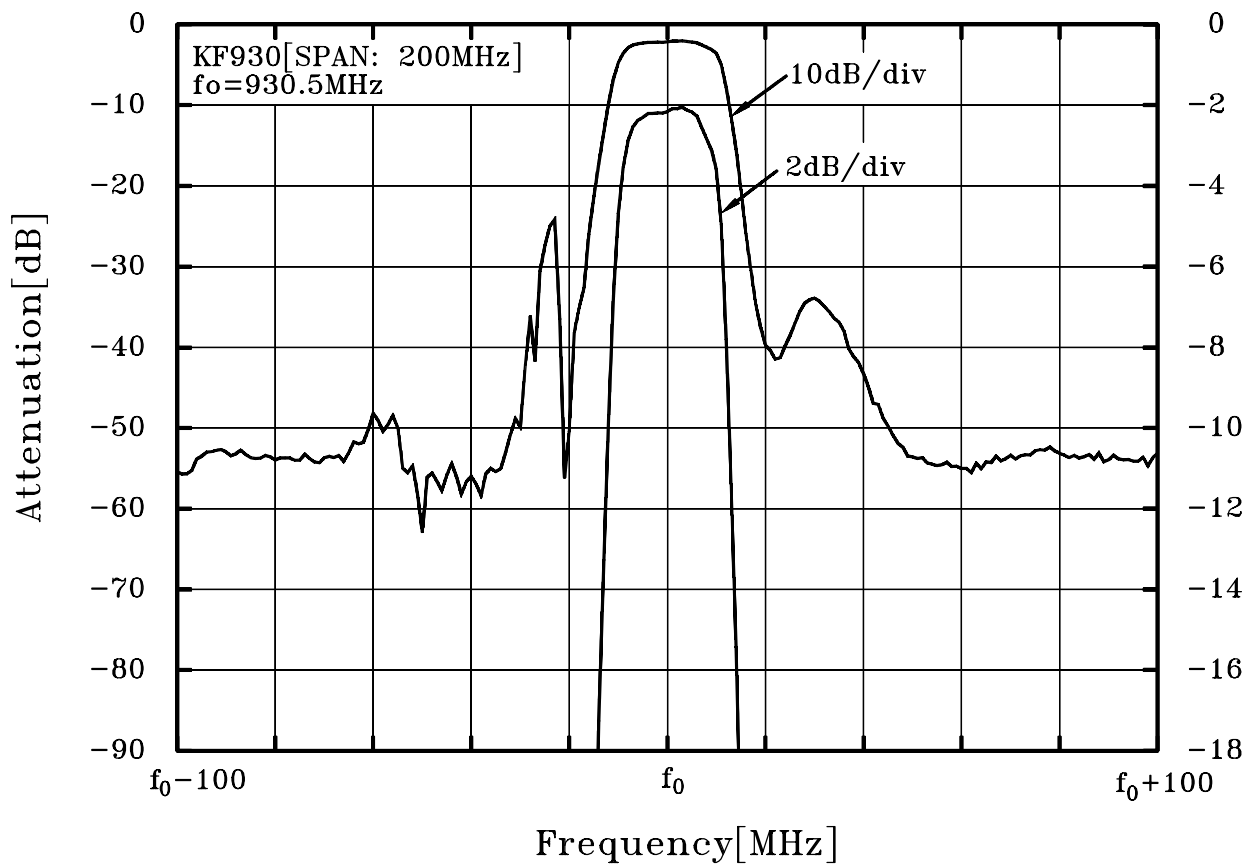
$R : 0\Omega$

$L : 10\text{nH}$

$Z_I(Z_O) = R_s(R_L) + R + \text{Series } L$

KF930

ATT - f



ATT - f

