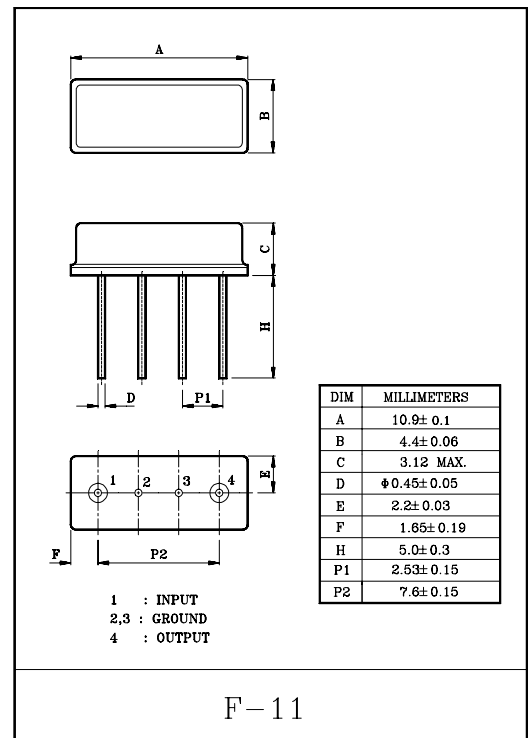


Band pass filters for the receiving RF circuits of transceiver

- 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 : $150\Omega//0\text{pF}$
- SMD Package Type : (SC-45)KF448BS, (SC-44)KF448BV.
- $50\Omega//0\text{pF}$ Terminating Impedance Type : KF448A.

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}	$-20\sim+60$	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	$-30\sim+85$	$^\circ\text{C}$

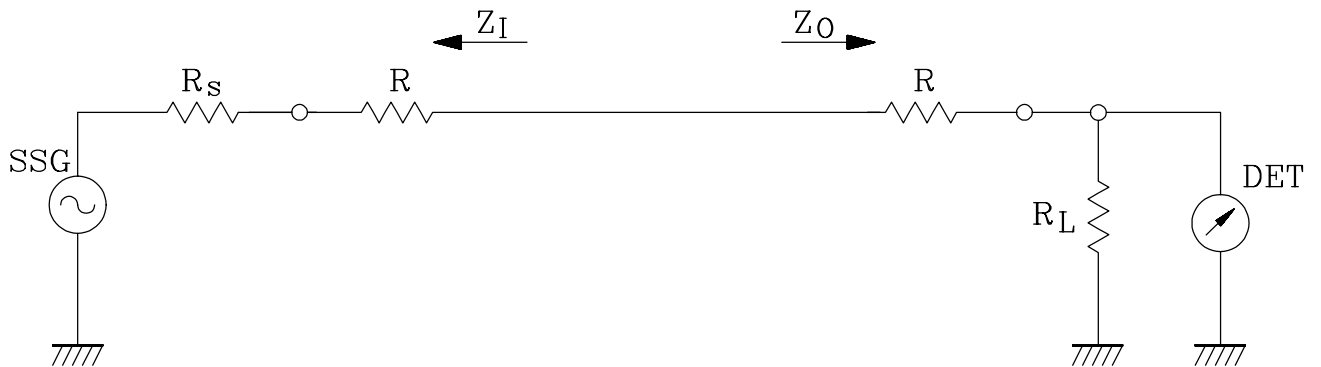


ELECTRICAL CHARACTERISTICS (Temperature $20 \pm 2^\circ\text{C}$, Humidity $65 \pm 5\%$)

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	f_0	-	-	448	-	MHz
Bandwidth	BW_{3dB}	-	$f_0 \pm 2.0$	-	-	MHz
Insertion Loss	IL_{PASS}	$f_0 \pm 2.0\text{MHz}$	-	-	4.0	dB
Ripple Level	A_{RIP}	$f_0 \pm 2.0\text{MHz}$	-	-	2.0	dB
Rejection Level	IL_{STOP}	$f_0 - 44.8 \sim f_0 - 40.8\text{MHz}$	50	-	-	dB
		$f_0 + 40.8 \sim f_0 + 44.8\text{MHz}$	45	-	-	dB
Input/Output Impedance	$Z_i(Z_o)$	-	-	$150\Omega//0\text{pF}$	-	-

TEST CIRCUIT

REFERENCE LEVEL TEST CIRCUIT

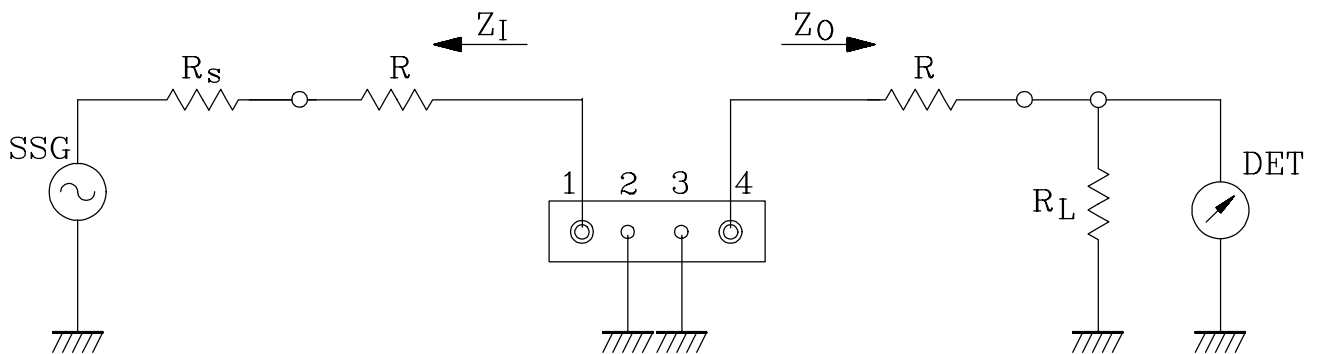


$R_S, R_L : 50\Omega$ (Internal Impedance of Source and Load)

$R : 100\Omega$

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

MEASUREMENT CIRCUIT



1:Input 2,3:Ground 4:Output

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

$R : 100\Omega$

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