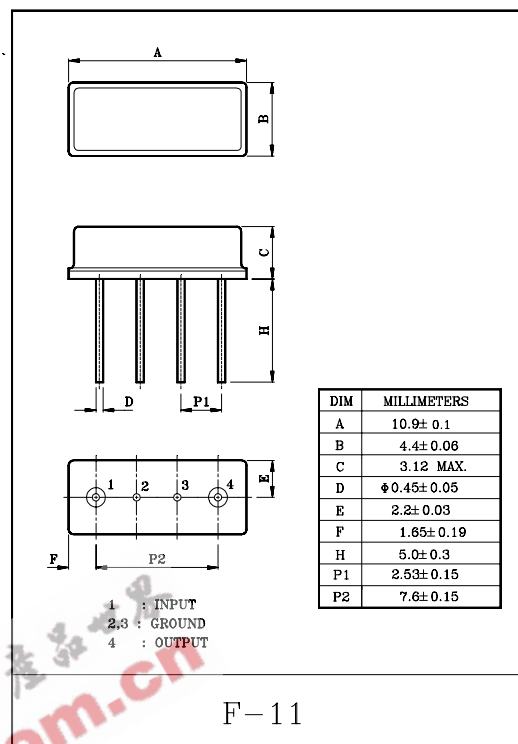


Band pass filters for the receiving RF circuits of transceiver

- 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 :  $50\Omega//0pF$
- SMD Package Type : (SC-45)KF448AS, (SC-44)KF448AV.
- $150\Omega//0pF$  Terminating Impedance Type : KF448B.

### MAXIMUM RATINGS ( $T_a=25^\circ C$ )

ITEM	SYMBOL	RATING	UNIT
Input Signal Level	$I_{Smax}$	0	dBm
DC Permissive Voltage	$V_{DC}$	+10	V
Operating Temperature Range	$T_{opr}$	-20~+60	$^\circ C$
Storage Temperature Range	$T_{stg}$	-30~+85	$^\circ C$



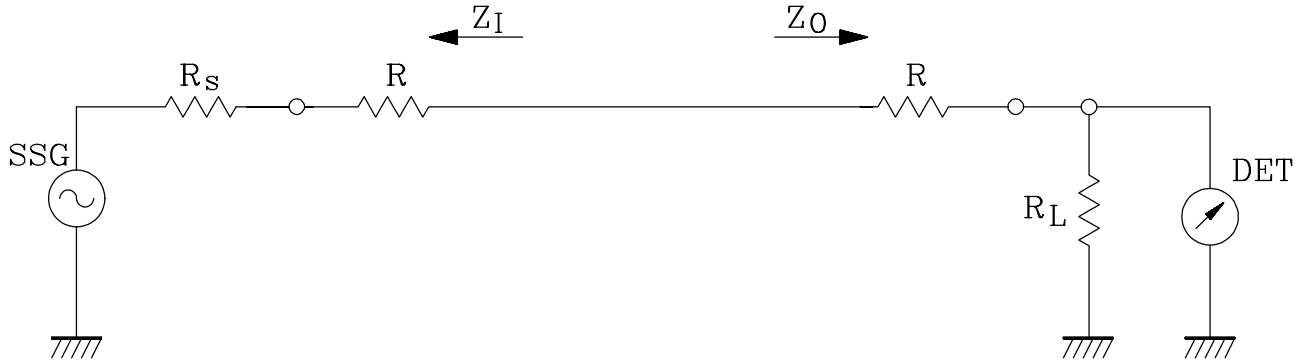
### ELECTRICAL CHARACTERISTICS (Temperature $20\pm 2^\circ C$ , Humidity $65\pm 5\%$ )

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	$IL_{PASS}$	$f_0\pm 2.0MHz$	-	-	4.0	dB
Ripple Level	$A_{RIP}$	$f_0\pm 2.0MHz$	-	-	2.0	dB
Rejection Level	$IL_{STOP}$	$f_0-44.8\sim f_0-40.8MHz$	50	-	-	dB
		$f_0+40.8\sim f_0+44.8MHz$	45	-	-	dB
Input/Output Impedance	$Z_I(Z_O)$	-	-	$50\Omega//0pF$	-	-

# KF448A

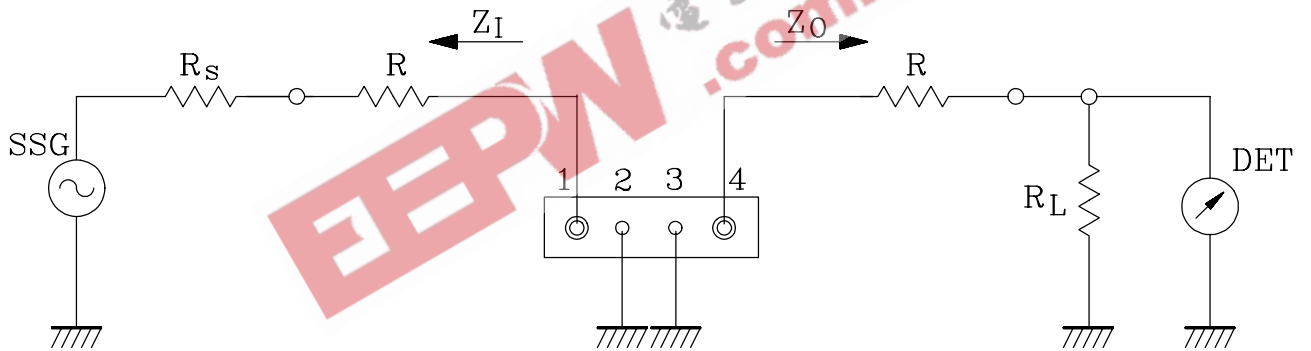
## TEST CIRCUIT

### 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)  
 $R : 0\Omega$   
 $Z_I(Z_O)=R_s(R_L)+R$