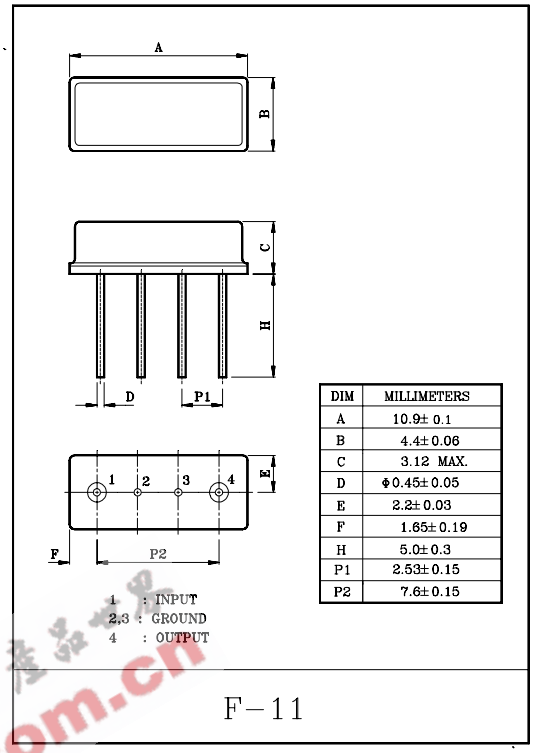
Band pass filters for the receiving RF circuits of transceiver

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



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℃)

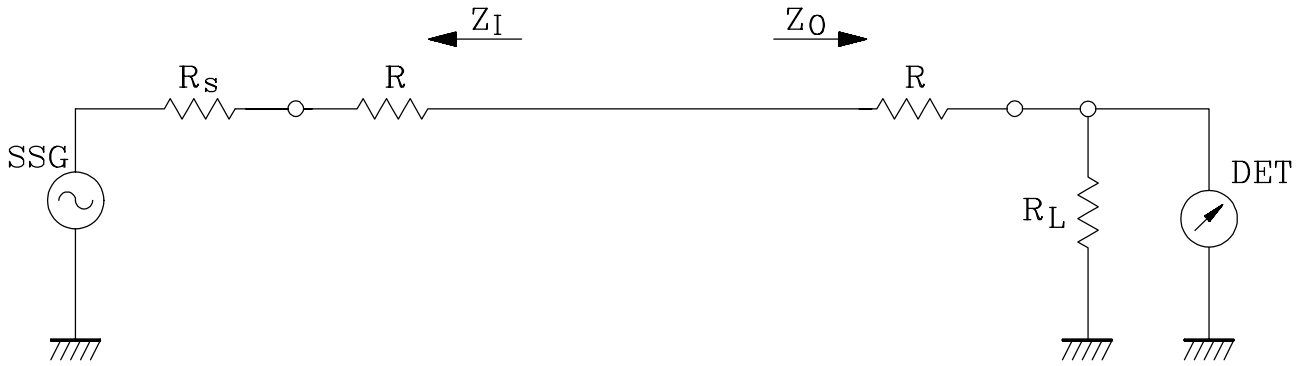
ITEM	SYMBOL	RATING	UNIT
Input Signal Level	IS_{max}	0	dBm
DC Permissive Voltage	V_{DC}	+10	V
Operating Temperature Range	T_{opr}	-20~+60	℃
Storage Temperature Range	T_{stg}	-30~+85	℃

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

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	fo	-	-	448	-	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-44.8~f_O-40.8MHz	50	-	-	dB
		f_O+40.8~f_O+44.8MHz	45	-	-	dB
Input/Output Impedance	$Z_I(Z_O)$	-	-	50Ω//0pF	-	-

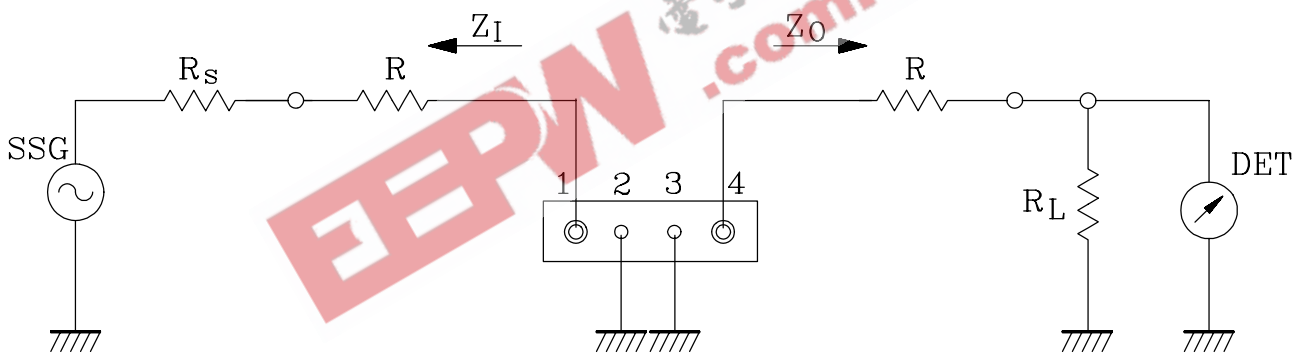
TEST CIRCUIT

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