

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.
- F-11 Package Type : KF444.

MAXIMUM RATINGS (Ta=25℃)

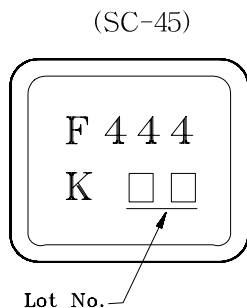
ITEM	SYMBOL	RATING	UNIT
Input Signal Level	IS_{max}	0	dBm
DC Permissive Voltage	V_{DC}	+10	V
Operating Temperature Range	T_{opr}	-10~+50	℃
Storage Temperature Range	T_{stg}	-30~+85	℃

DIM	MILLIMETERS
A	5.20±0.10
B	4.80±0.10
C	1.45±0.175
D	1.10±0.10
E	0.10Typ
F	0.80Typ
G	1.27Typ
H	0.73Typ
I	3.34Typ
J	0.40Typ
K	0.40Typ
P	1.00Typ

PIN NO	FUNCTION
① ③ ⑤ ⑦	GROUND
② ④ ⑥ ⑧	SIGNAL
⑤	SIGNAL
⑦ ⑧	GROUND

SC-45

Marking

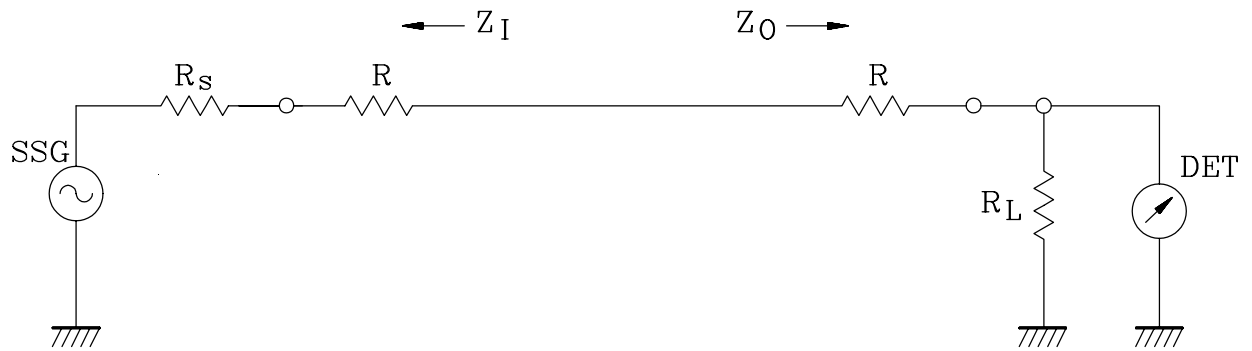


ELECTRICAL CHARACTERISTICS (Temperature 20±2℃, Humidity 65±5%)

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	f_0	—	—	444	—	MHz
Bandwidth	BW_{3dB}	—	$f_0 \pm 5$	—	—	MHz
Insertion Loss	IL_{PASS}	$f_0 \pm 5\text{MHz}$	—	—	4.0	dB
Ripple Level	A_{RIP}	$f_0 \pm 5\text{MHz}$	—	—	2.0	dB
Rejection Level	IL_{STOP}	$f_0 - 100 \sim f_0 - 80\text{MHz}$	55	—	—	dB
		$f_0 + 80 \sim f_0 + 100\text{MHz}$	45	—	—	dB
Input/Output Impedance	$Z_i(Z_o)$	—	—	50Ω//0pF	—	—

TEST CIRCUIT

REFERENCE LEVEL TEST CIRCUIT

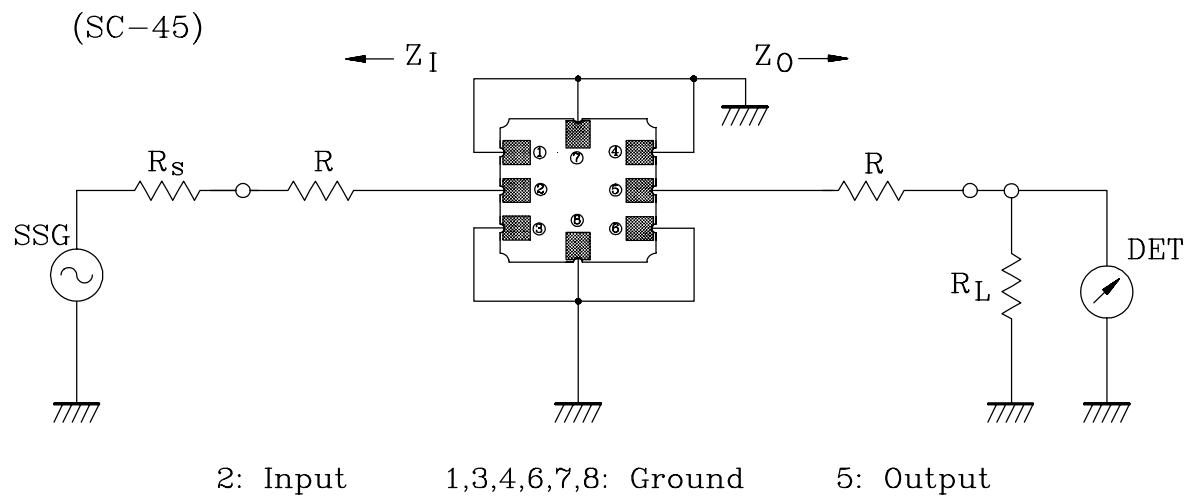


$R_s, R_L : 50\Omega$ (Internal Impedance of Source and Load)

$R : 0\Omega$

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

MEASUREMENT CIRCUIT



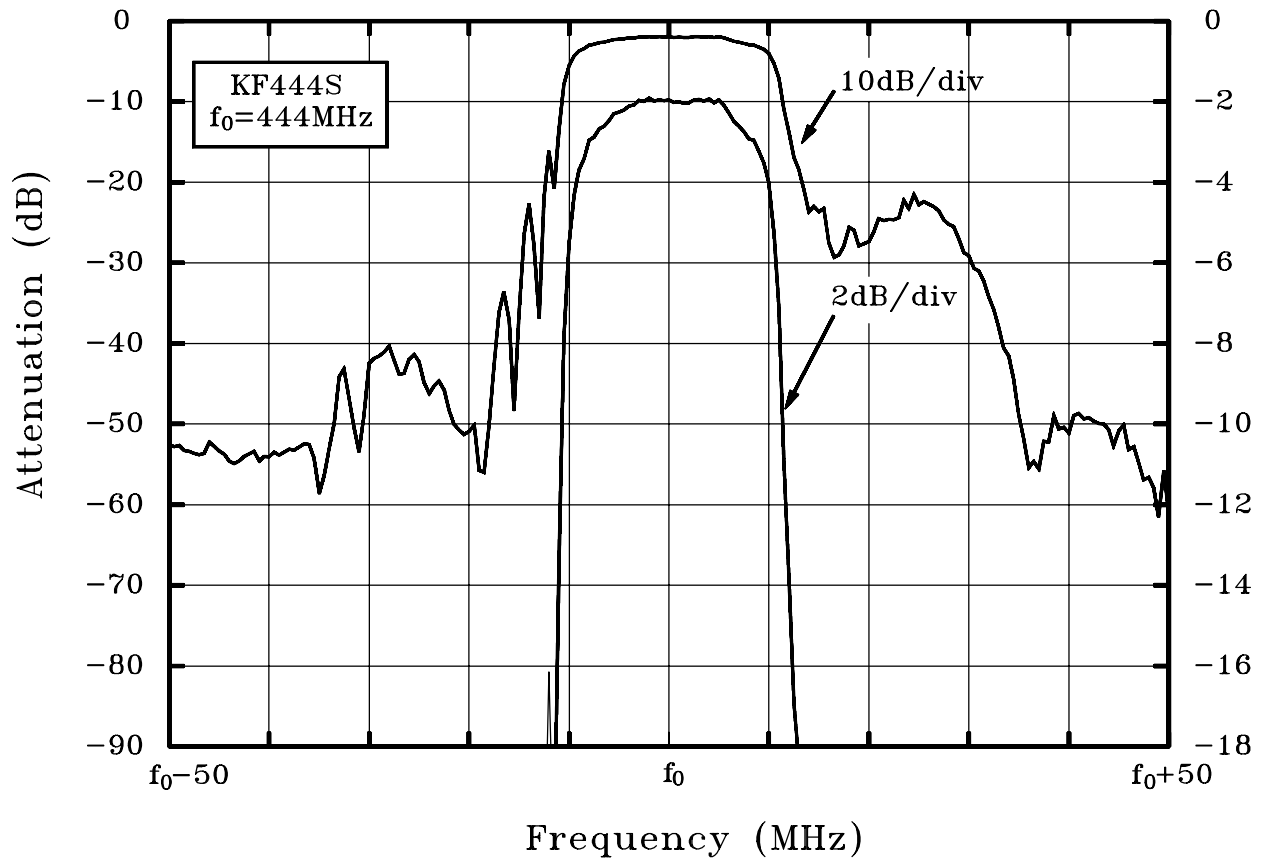
$R_s, R_L : 50\Omega$ (Internal Impedance of Source and Load)

$R : 0\Omega$

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

KF444S

ATT - f



ATT - f

