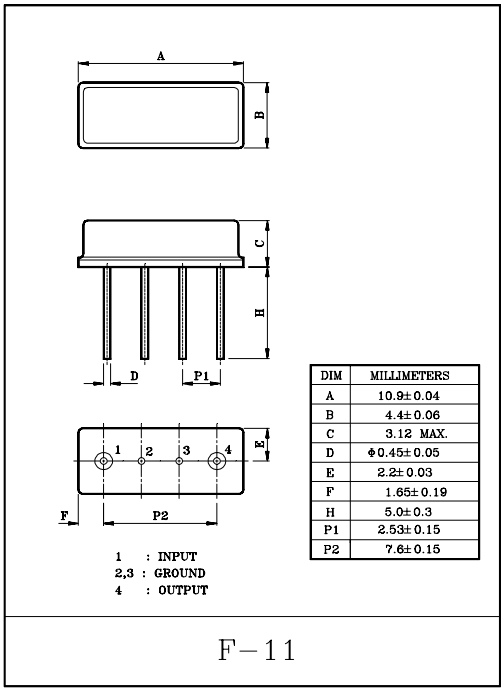
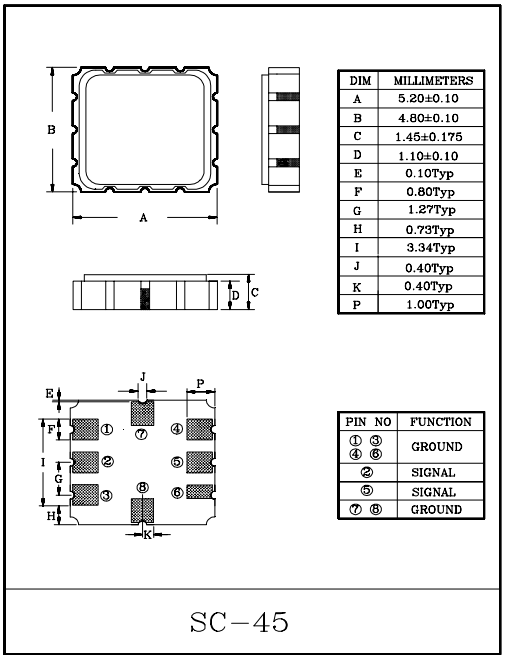
Band pass filters for the receiving RF circuits of pager

- High stability and reliability with good performance.
- Low insertion loss and deep stop band attenuation for interference.



DIM	MILLIMETERS
A	10.9±0.04
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



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 ④ ⑥	GROUND
②	SIGNAL
⑤	SIGNAL
⑦ ⑧	GROUND

SC-45

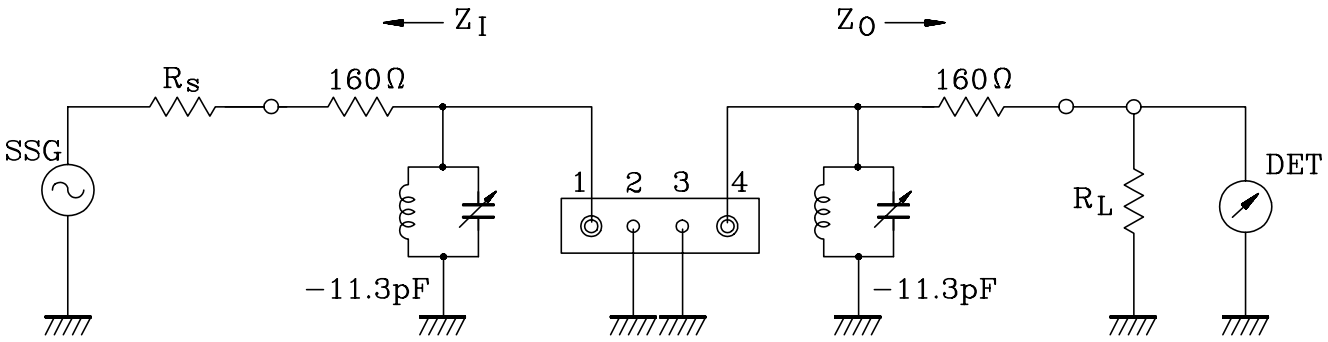
MAXIMUM RATINGS (Ta=25℃)

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	℃

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

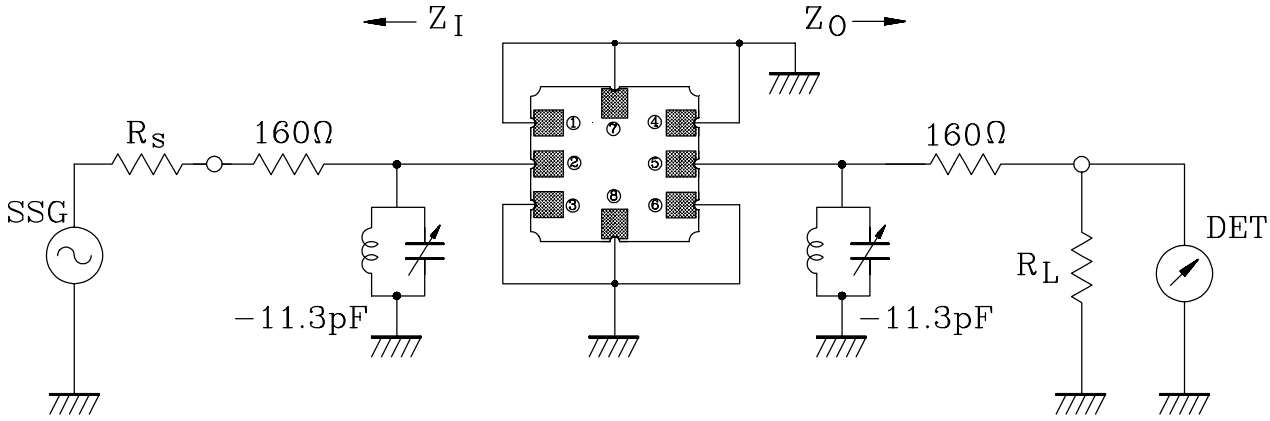
ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	fo		-	147	-	MHz
Bandwidth	BW_{3dB}		f_O±4.0	-	-	MHz
Insertion Loss	IL_{PASS}	f_O±4.0MHz	-	-	6.0	dB
Rejection Level	IL_{STOP}	f_O-100~f_O-38.8MHz	50	-	-	dB
		f_O+38.8~f_O+100MHz	42	-	-	dB
Input/Output Impedance	$Z_I(Z_O)$		-	210Ω//-11.3pF	-	-

TEST CIRCUIT

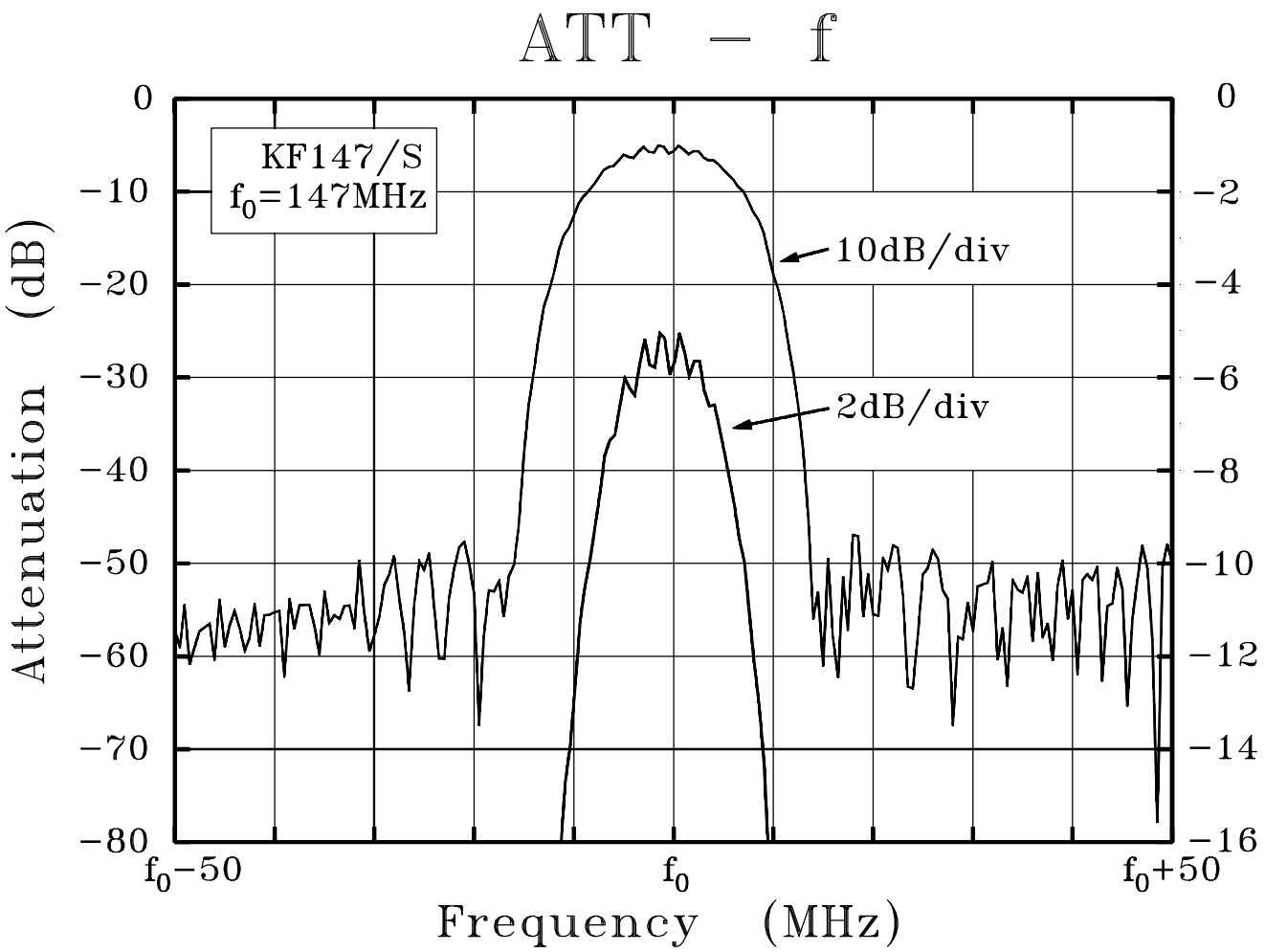


1 : Input 2,3 : Ground 4 : Output

R_S, R_L : 50Ω (Internal Impedance of Source and Load)



② :INPUT ①,③,④,⑥,⑦,⑧:GROUND ⑤ :OUTPUT


ATT – f
KF147/S
f0=147MHz
10dB/div
2dB/div
Attenuation (dB)
Frequency (MHz)
0
−10
−20
−30
−40
−50
−60
−70
−80
−2
−4
−6
−8
−10
−12
−14
−16
f0−50
f0
f0+50