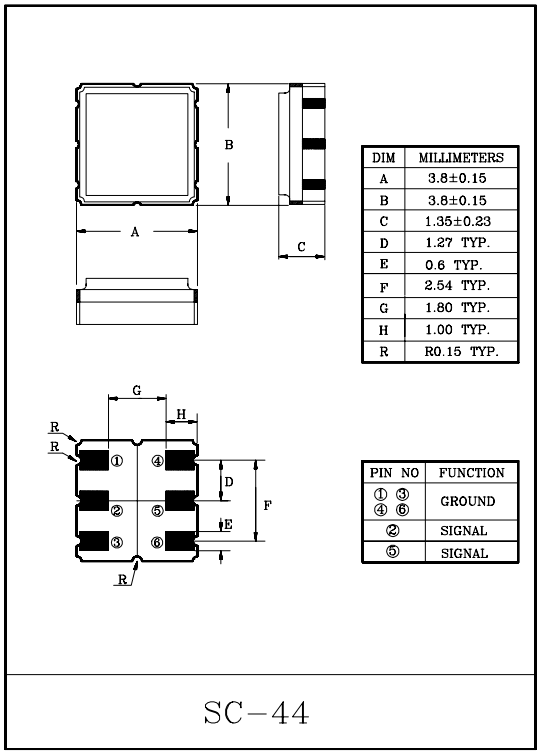
Band pass filters for the receiving RF circuits of pager

- 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+Series L(10nH)



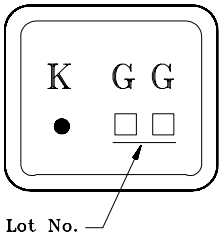
DIM	MILLIMETERS
A	3.8±0.15
B	3.8±0.15
C	1.35±0.23
D	1.27 TYP.
E	0.6 TYP.
F	2.54 TYP.
G	1.80 TYP.
H	1.00 TYP.
R	R0.15 TYP.

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

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	℃

MARKING

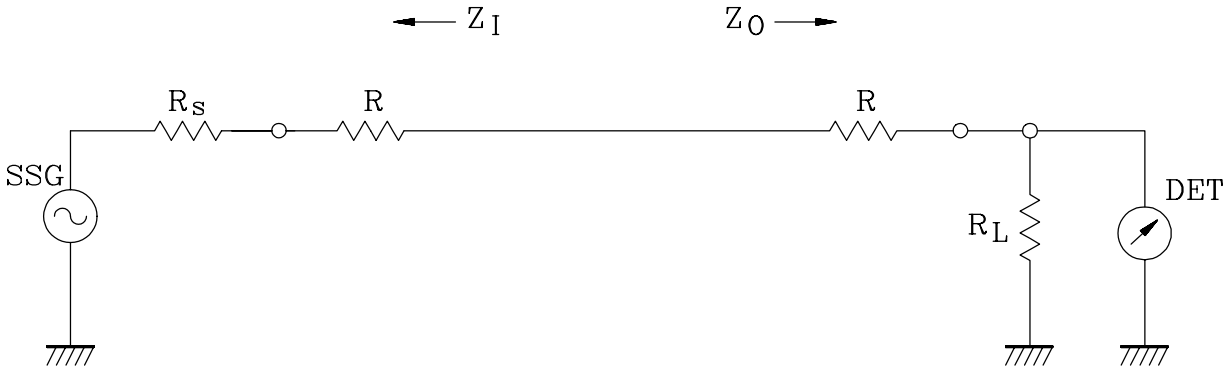


ELECTRICAL CHARACTERISTICS (Temperature 20±2℃, Humidity 65±5%)

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	fo	-	-	924	-	MHz
Bandwidth	BW_{3dB}	-	f_O±1.0	-	-	MHz
Insertion Loss	IL_{PASS}	f_O±1.0MHz	-	-	3.5	dB
Ripple Level	A_{RIP}	f_O±1.0MHz	-	-	1.5	dB
Rejection Level	IL_{STOP}	f_O-400~f_O-39.5MHz	45	-	-	dB
		f_O+50~f_O+400MHz	45	-	-	dB
Input/Output Impedance	$Z_I(Z_O)$	-	-	50Ω+Series L(10nH)	-	-

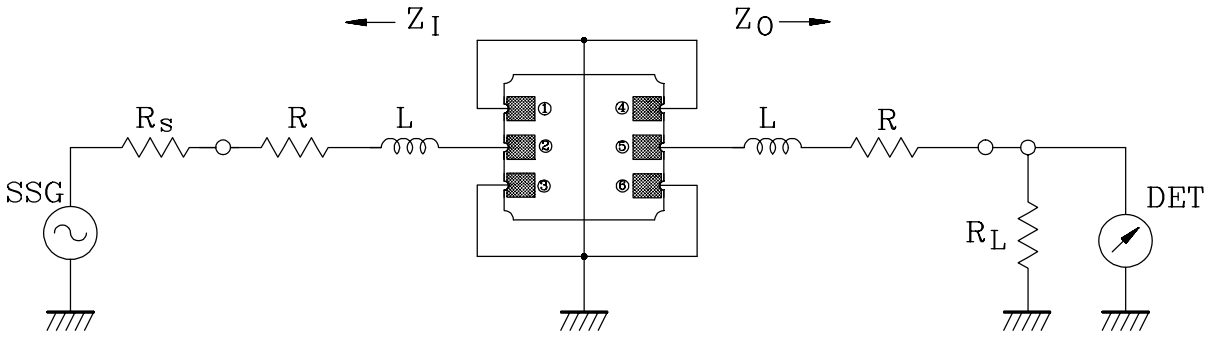
TEST CIRCUIT

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



② :Input ①, ③, ④, ⑥ :Ground ⑤ :Output

R_S, R_L : 50Ω (Internal Impedance of Source and Load)
R : 0Ω
L : 10nH
$Z_I(Z_O)=R_S(R_L)+R+$Series L