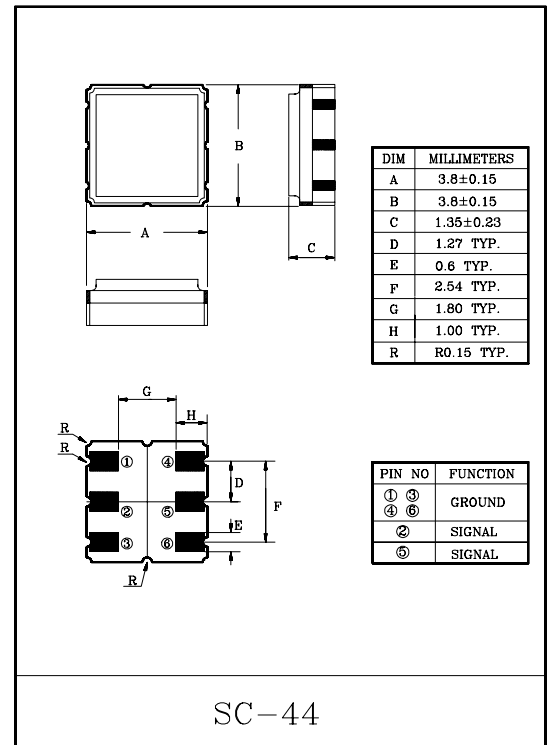


Band pass filters for the receiving RF circuits of pager

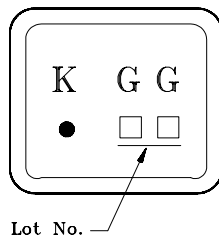
- High stability and reliability with good performance and no adjustment.
- Wide and sharp pass band characteristics.
- Low insertion loss and deep stop band attenuation for interference.
- Terminating Impedance :  $50\Omega$  +Series L(10nH)

MAXIMUM RATINGS ( $T_a=25^\circ\text{C}$ )

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	$^\circ\text{C}$
Storage Temperature Range	$T_{stg}$	-30~+85	$^\circ\text{C}$



### MARKING



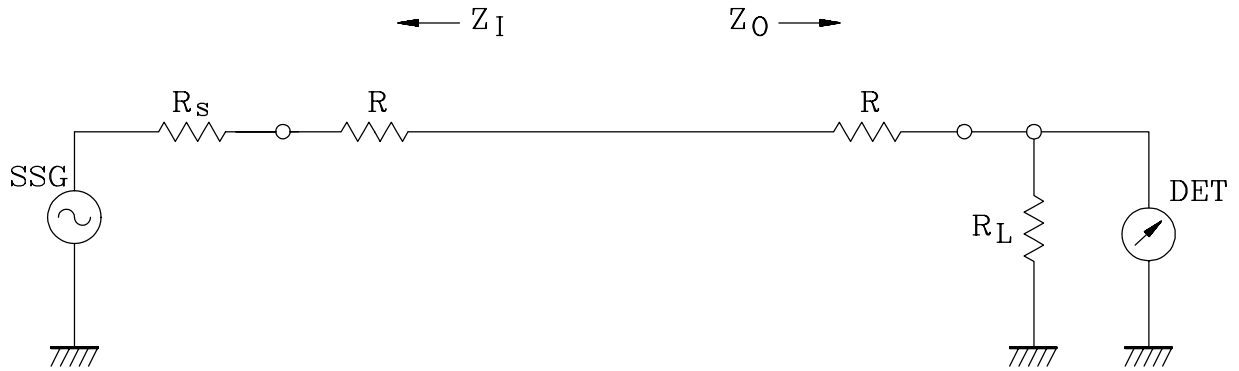
ELECTRICAL CHARACTERISTICS (Temperature  $20\pm 2^\circ\text{C}$ , Humidity  $65\pm 5\%$ )

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	$f_0$	-	-	924	-	MHz
Bandwidth	$BW_{3dB}$	-	$f_0\pm 1.0$	-	-	MHz
Insertion Loss	$IL_{PASS}$	$f_0\pm 1.0\text{MHz}$	-	-	3.5	dB
Ripple Level	$A_{RIP}$	$f_0\pm 1.0\text{MHz}$	-	-	1.5	dB
Rejection Level	$IL_{STOP}$	$f_0-400\sim f_0-39.5\text{MHz}$	45	-	-	dB
		$f_0+50\sim f_0+400\text{MHz}$	45	-	-	dB
Input/Output Impedance	$Z_I(Z_O)$	-	-	$50\Omega$ +Series L(10nH)	-	-

# KF924V

## TEST CIRCUIT

### REFERENCE LEVEL TEST CIRCUIT

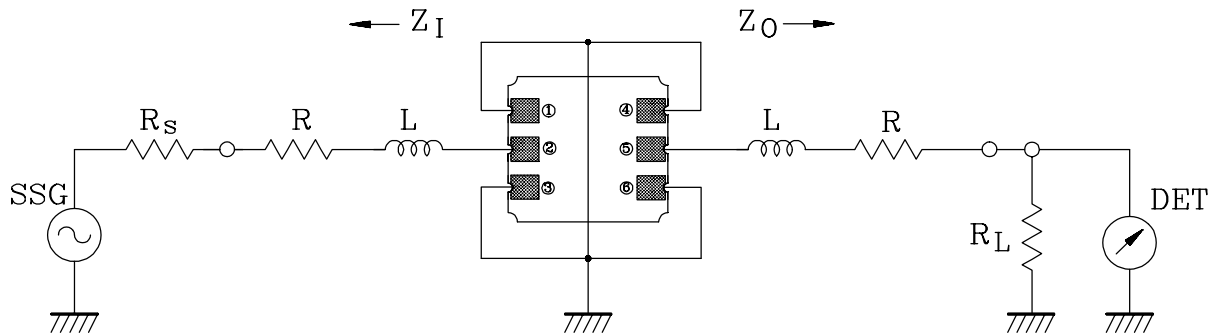


$R_s, R_L : 50\Omega$  (Internal Impedance of Source and Load)

$R : 0\Omega$

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

### MEASUREMENT CIRCUIT



② :Input    ①, ③, ④, ⑥ :Ground    ⑤ :Output

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

$R : 0\Omega$

$L : 10\text{nH}$

$Z_I(Z_O) = R_s(R_L) + R + \text{Series } L$