

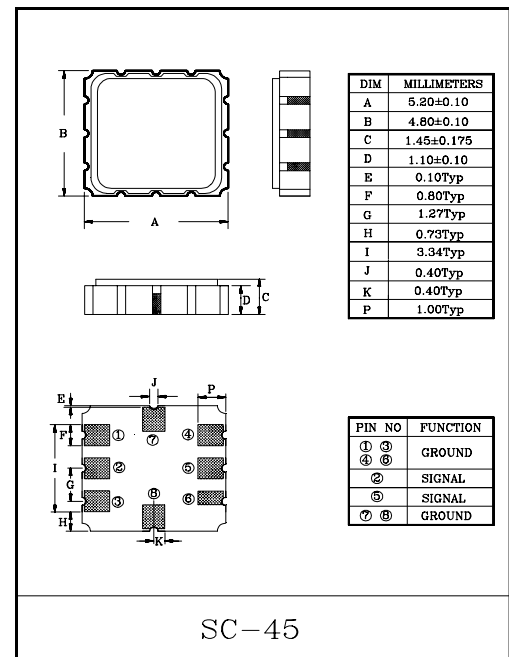
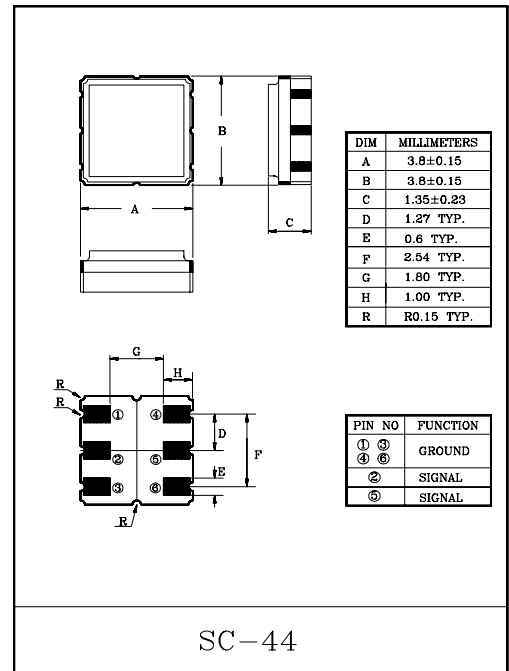
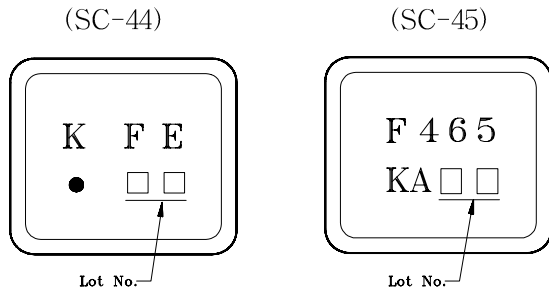
Band pass filters for the receiving RF circuits of transceiver

- 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 :  $150\Omega//0pF$
- KF465AS : SC-45 Package, KF465AV : SC-44 Package.
- F-11(DIP type package) : KF465A.

### MAXIMUM RATINGS ( $T_a=25^\circ C$ )

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

### Marking



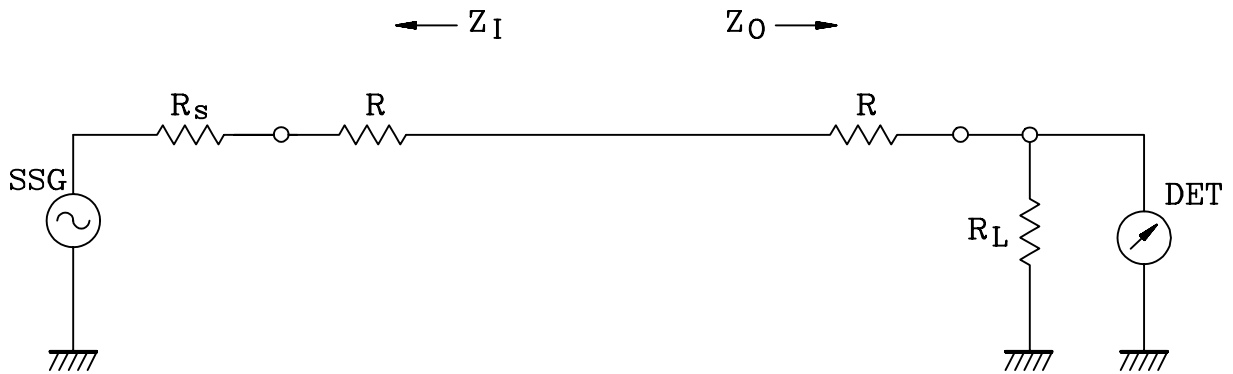
### ELECTRICAL CHARACTERISTICS (Temperature $20\pm 2^\circ C$ , Humidity $65\pm 5\%$ )

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	$f_0$	-	-	465	-	MHz
Bandwidth	$BW_{3dB}$	-	$f_0\pm 3.0$	-	-	MHz
Insertion Loss	$IL_{PASS}$	$f_0\pm 3.0MHz$	-	-	4.0	dB
Ripple Level	$ARIP$	$f_0\pm 3.0MHz$	-	-	2.0	dB
Rejection Level	$IL_{STOP}$	$f_0-13.7\sim f_0-7.7MHz$	8	-	-	dB
		$f_0-45.8\sim f_0-39.8MHz$	50	-	-	dB
		$f_0+39.8\sim f_0+45.8MHz$	45	-	-	dB
Input/Output Impedance	$Z_I(Z_O)$	-	-	$150\Omega//0pF$	-	-

# KF465AS/AV

## TEST CIRCUIT

### REFERENCE LEVEL TEST CIRCUIT

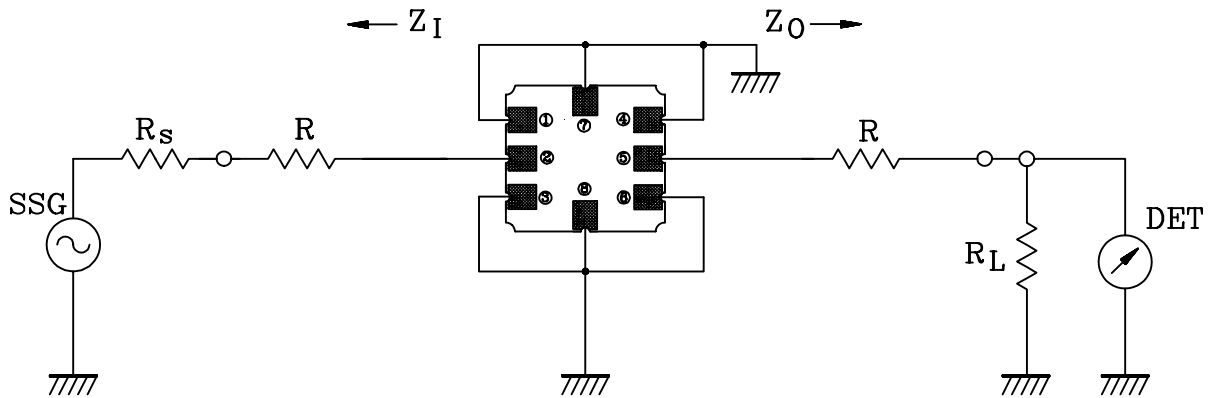


$R_s, R_L : 50\Omega$  (Internal Impedance of Source and Load)

$R : 0\Omega$

$$Z_i(Z_o) = R_s(R_L) + R$$

### MEASUREMENT CIRCUIT (SC-45)



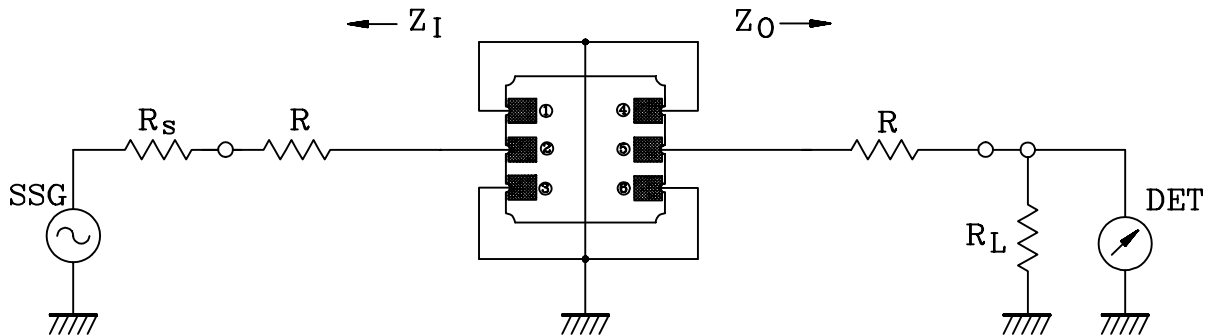
② :Input    ①, ③, ④, ⑥, ⑦, ⑧ :Ground    ⑤ :Output

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

$R : 100\Omega$

$$Z_i(Z_o) = R_s(R_L) + R$$

### (SC-44)



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