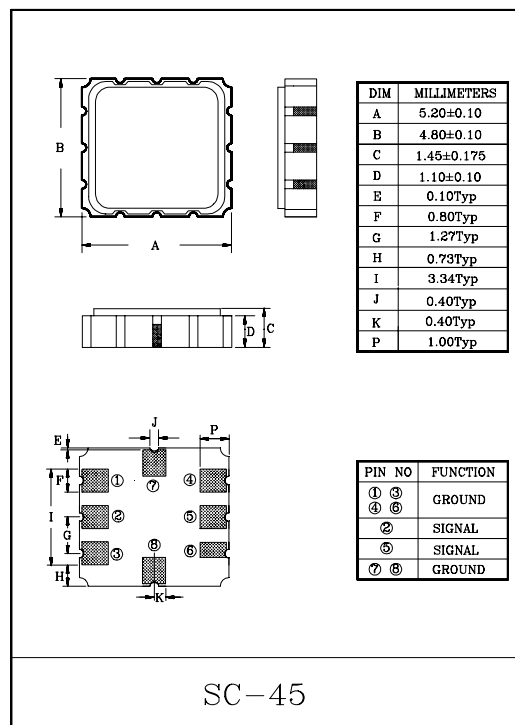


Band pass filters for the receiving RF circuits of transceiver

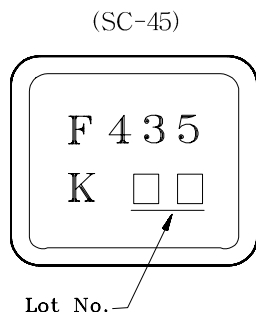
- High stability and reliability with good performance and no adjustment.
- Wide and sharp pass band characteristics.
- Low insertion loss and deep stop band attenuation for interference.

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

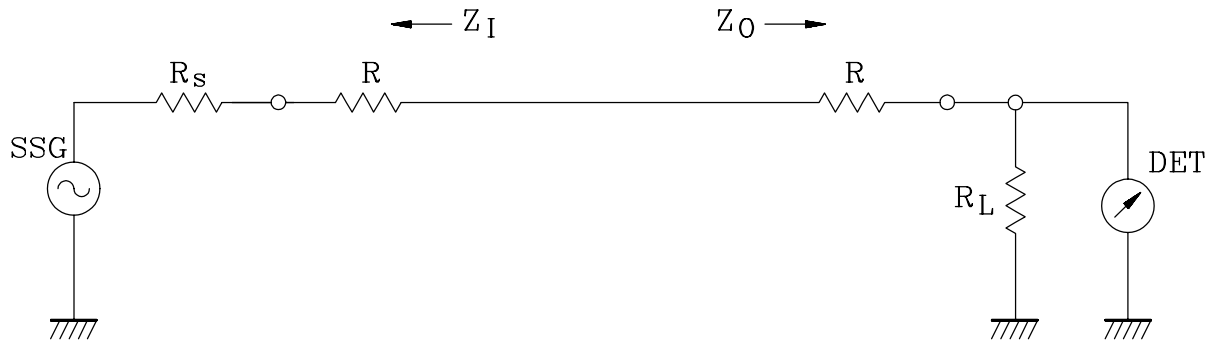


ELECTRICAL CHARACTERISTICS (Temperature 20±2℃, Humidity 65±5%)

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	f ₀	—	—	435	—	MHz
Bandwidth	BW _{3dB}	—	f ₀ ±5	—	—	MHz
Insertion Loss	IL _{PASS}	f ₀ ±5MHz	—	—	4.0	dB
Ripple Level	A _{RIP}	f ₀ ±5MHz	—	—	2.0	dB
Rejection Level	IL _{STOP}	f ₀ -100~f ₀ -80MHz	55	—	—	dB
		f ₀ +80~f ₀ +100MHz	45	—	—	dB
Input/Output Impedance	Z _i (Z _o)	—	—	50Ω//0pF	—	—

TEST CIRCUIT

REFERENCE LEVEL TEST CIRCUIT



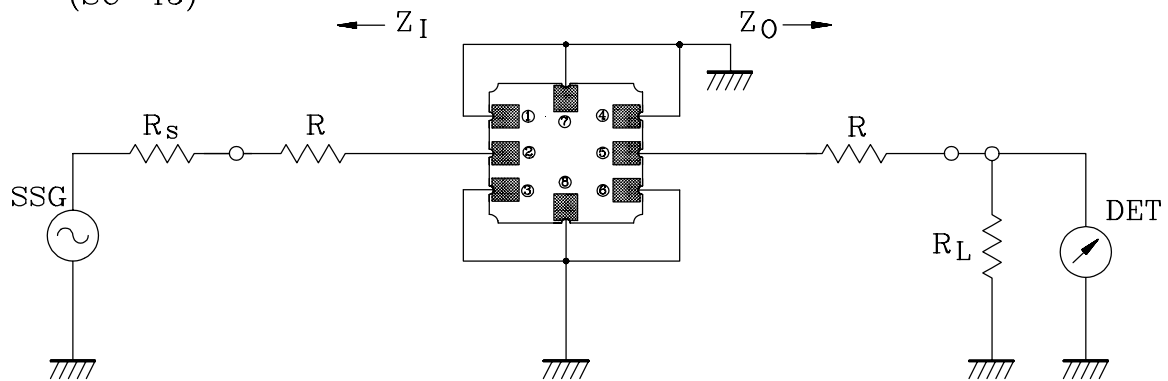
$R_s, R_L : 50\Omega$ (Internal Impedance of Source and Load)

$R : 0\Omega$

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

MEASUREMENT CIRCUIT

(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)

$R : 0\Omega$

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

KF435S

