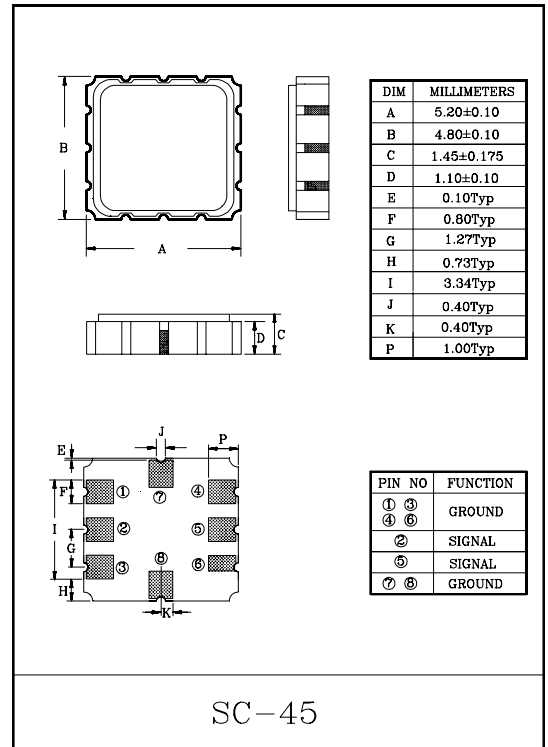


Band pass filters for the receiving RF circuits of pager

- 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 : 150Ω//0pF.
- 50Ω//0pF Terminating Impedance Type : KF280S(SC-45).

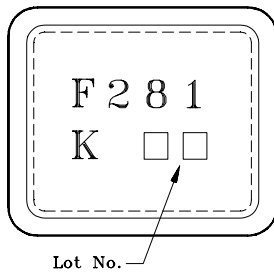
MAXIMUM RATINGS (Ta=25°C)

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	°C
Storage Temperature Range	T _{stg}	-30~+85	°C



MARKING

(SC-45)



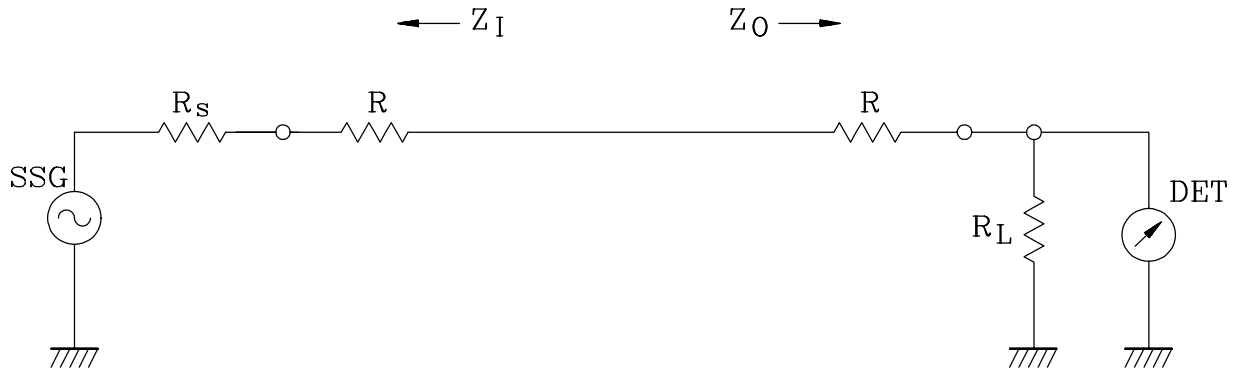
ELECTRICAL CHARACTERISTICS (Temperature 20±2°C, Humidity 65±5%)

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	f ₀	-	-	281	-	MHz
Bandwidth	BW _{3dB}	-	f ₀ ±3.1	-	-	MHz
Insertion Loss	IL _{PASS}	f ₀ ±3.1MHz	-	-	4.0	dB
Ripple Level	A _{RIP}	f ₀ ±3.1MHz	-	-	2.0	dB
Rejection Level	IL _{STOP}	f ₀ -100~f ₀ -39.5MHz	50	-	-	dB
		f ₀ +39.5~f ₀ +100MHz	50	-	-	dB
Input/Output Impedance	Z _I (Z _O)	-	-	150Ω//0pF	-	-

KF281S

TEST CIRCUIT

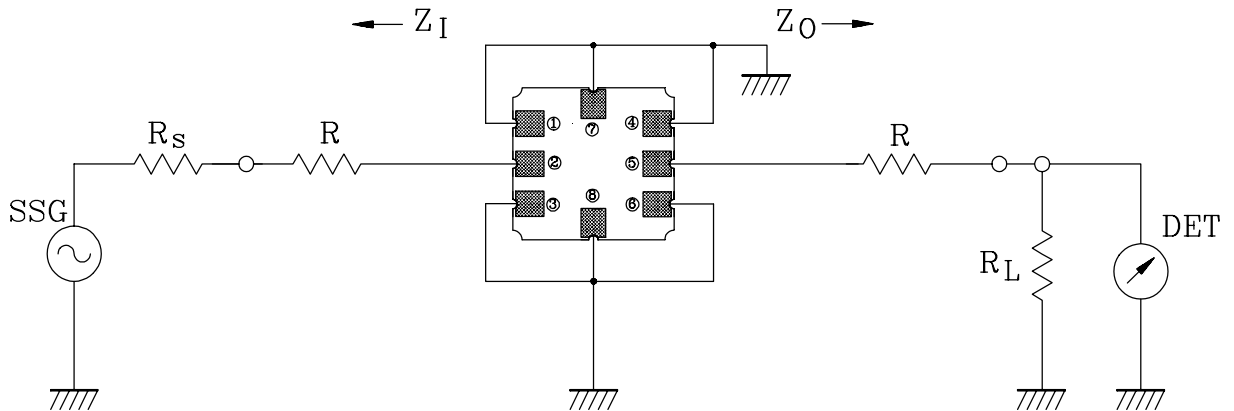
REFERENCE LEVEL TEST CIRCUIT



$R_s, R_L : 50\Omega$ (Internal Impedance of Source and Load)
 $R : 100\Omega$
 $Z_I(Z_O)=R_s(R_L)+R$

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)
 $R : 100\Omega$
 $Z_I(Z_O)=R_s(R_L)+R$