

Band pass filters for RF circuits of Cordless phone (CT-1)

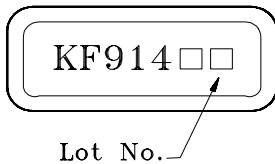
- High stability and reliability with good performance and no adjustment.
- Wide and sharp pass band characteristics.
- Low insertion loss and deep stop band attenuation for interference.
- KF914 : F-11 Package
- KF914V : SC-44 Package.

MAXIMUM RATINGS (T_a=25°C)

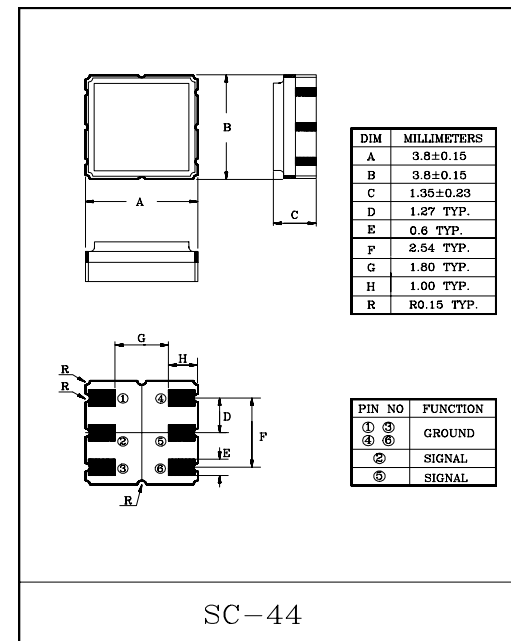
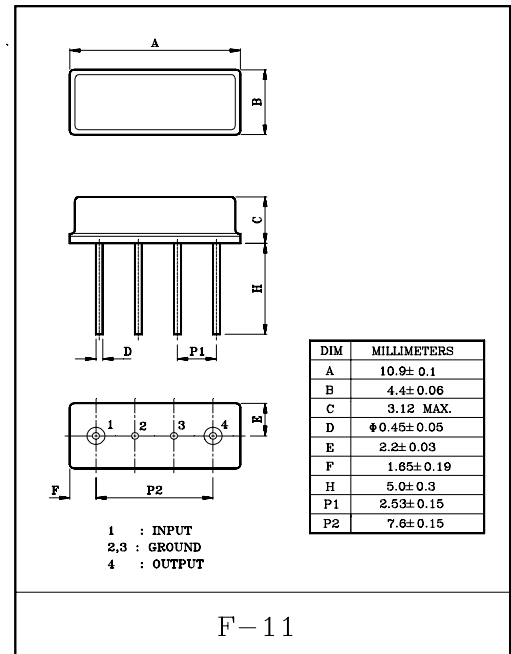
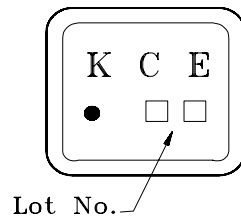
ITEM	SYMBOL	RATING	UNIT
Input Signal Level	IS _{max}	10	dBm
DC Permissive Voltage	V _{DC}	0	V
Operating Temperature Range	T _{opr}	-10~+60	°C
Storage Temperature Range	T _{stg}	-40~+85	°C

Marking

(F-11)



(SC-44)



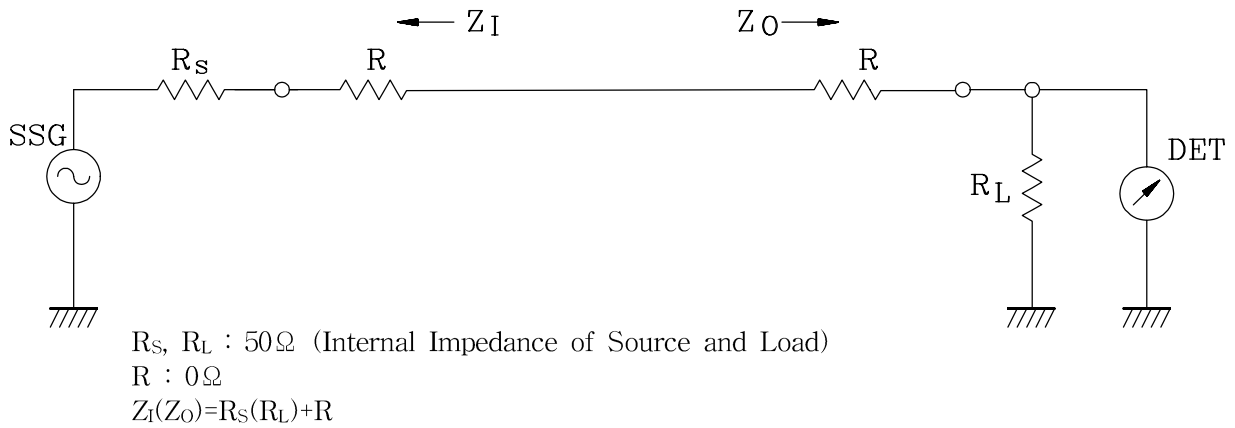
ELECTRICAL CHARACTERISTICS (Temperature 25±2°C, Humidity 65±5%)

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	f ₀	-	-	914.5	-	MHz
Bandwidth	BW _{3dB}	-	f ₀ ±1.0	-	-	MHz
Insertion Loss	IL _{PASS}	f ₀ ±1.0MHz	-	3.0	4.0	dB
Ripple Level	A _{RIP}	f ₀ ±1.0MHz	-	-	1.5	dB
Rejection Level	IL _{STOP}	f ₀ -45~f ₀ -40MHz	45	49	-	dB
		f ₀ -23~f ₀ -20MHz	30	50	-	
		f ₀ +20~f ₀ +23MHz	20	25	-	
		f ₀ +40~f ₀ +45MHz	35	42	-	
Input/Output Impedance	Z _i (Z _o)	-	-	50Ω+10nH	-	-

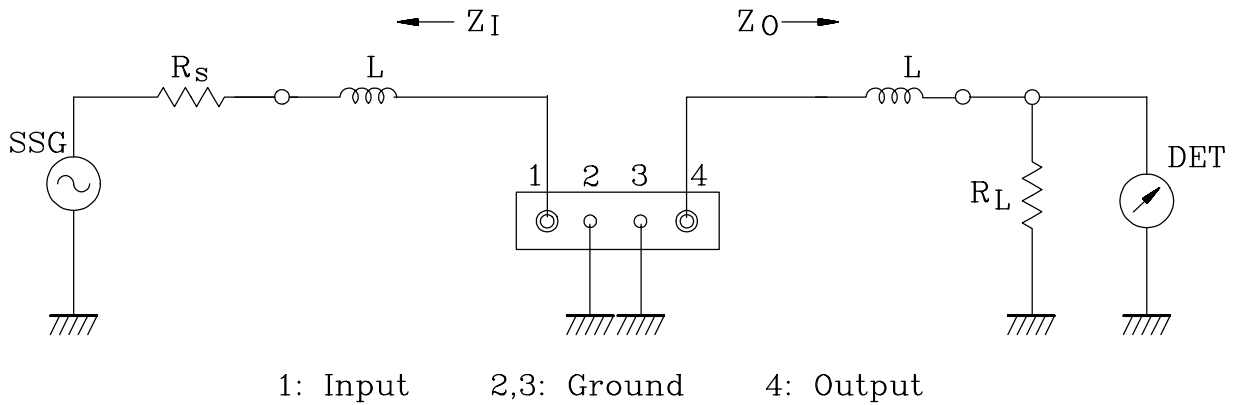
KF914/V

TEST CIRCUIT

REFERENCE LEVEL TEST CIRCUIT



MEASUREMENT CIRCUIT



$R_s, R_L : 50\Omega$ (Internal Impedance of Source and Load)
 $L : 10\text{nH}$
 $Z_I(Z_O) = R_s(R_L) + L$

