

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 (Ta=25℃)

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	℃
Storage Temperature Range	T_{stg}	-40~+85	℃

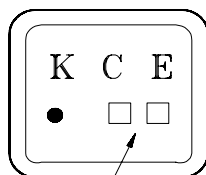
Marking

(F-11)

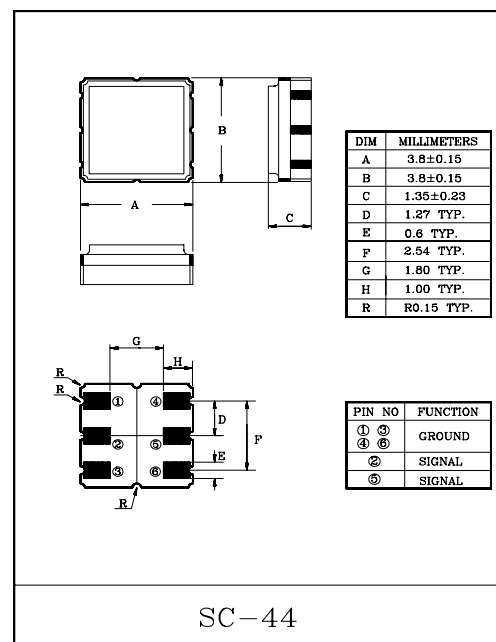
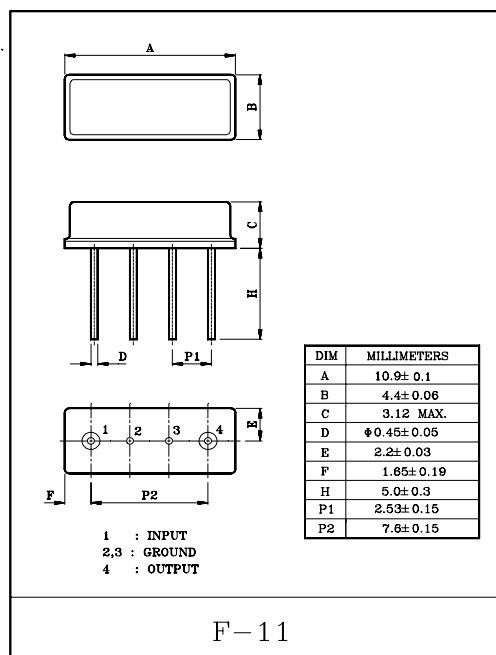


Lot No.

(SC-44)



Lot No.

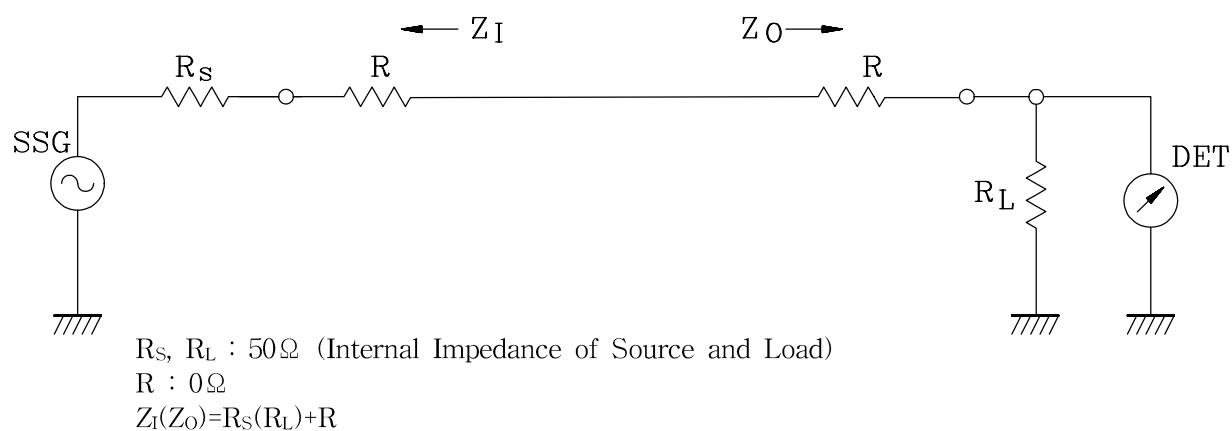


ELECTRICAL CHARACTERISTICS (Temperature 25±2℃, Humidity 65±5%)

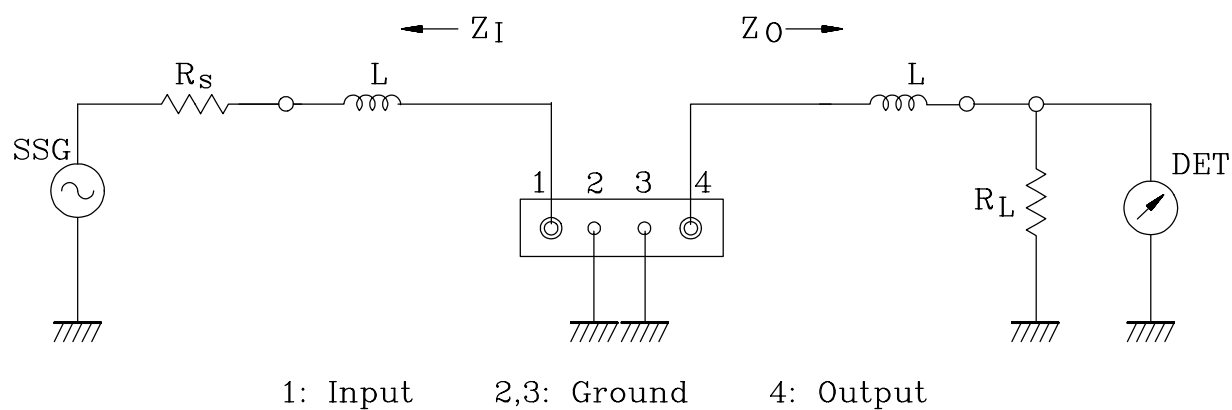
ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	f_0	-	-	914.5	-	MHz
Bandwidth	BW_{3dB}	-	$f_0 \pm 1.0$	-	-	MHz
Insertion Loss	IL_{PASS}	$f_0 \pm 1.0\text{MHz}$	-	3.0	4.0	dB
Ripple Level	A_{RIP}	$f_0 \pm 1.0\text{MHz}$	-	-	1.5	dB
Rejection Level	IL_{STOP}	$f_0 - 45 \sim f_0 - 40\text{MHz}$	45	49	-	dB
		$f_0 - 23 \sim f_0 - 20\text{MHz}$	30	50	-	
		$f_0 + 20 \sim f_0 + 23\text{MHz}$	20	25	-	
		$f_0 + 40 \sim f_0 + 45\text{MHz}$	35	42	-	
Input/Output Impedance	$Z_i(Z_o)$	-	-	50Ω +10nH	-	-

TEST CIRCUIT

REFERENCE LEVEL TEST CIRCUIT



MEASUREMENT CIRCUIT



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

