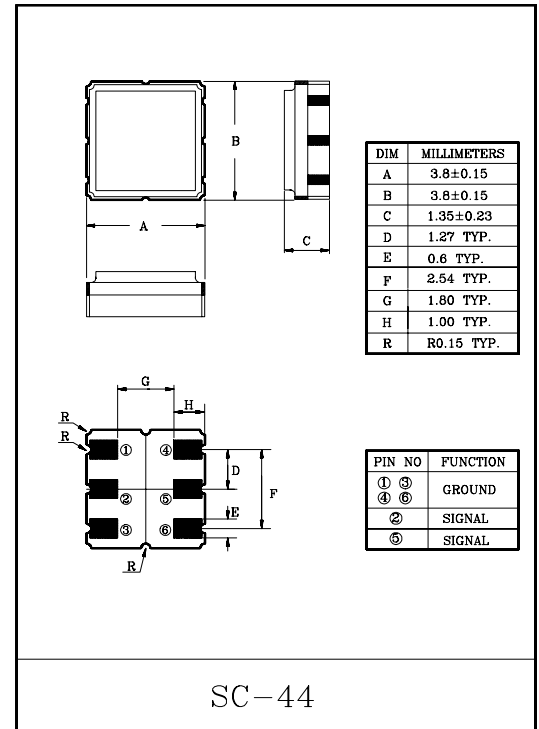


Band pass filters for RF circuits of wireless data communication

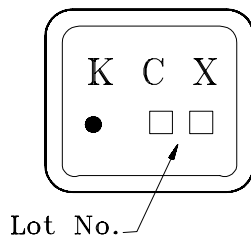
- High stability and reliability with good performance and no adjustment.
- Wide and sharp pass band characteristics.
- Low insertion loss and deep stop band attenuation for interference.

MAXIMUM RATINGS (Ta=25°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



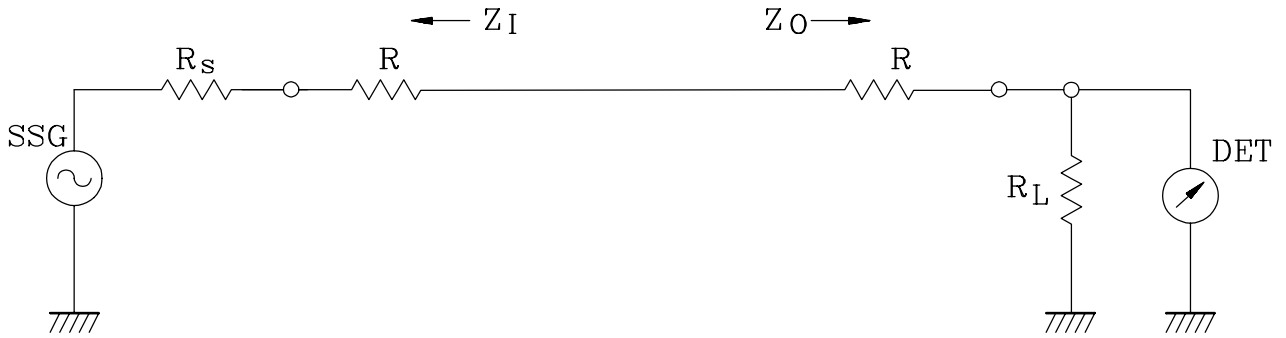
ELECTRICAL CHARACTERISTICS (Temperature 20±2°C, Humidity 65±5%)

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	f_0	-	-	939	-	MHz
Bandwidth	BW_{3dB}	-	$f_0 \pm 2.0$	-	-	MHz
Insertion Loss	IL_{PASS}	$f_0 \pm 2.0\text{MHz}$	-	-	4.0	dB
Ripple Level	A_{RIP}	$f_0 \pm 2.0\text{MHz}$	-	-	1.5	dB
Rejection Level	IL_{STOP}	$f_0 - 200 \sim f_0 - 40\text{MHz}$	45	-	-	dB
		$f_0 + 50 \sim f_0 + 200\text{MHz}$	45	-	-	
Input/Output Impedance	$Z_I(Z_O)$	-	-	50Ω + 10nH	-	-

KF939V

TEST CIRCUIT

REFERENCE LEVEL TEST CIRCUIT

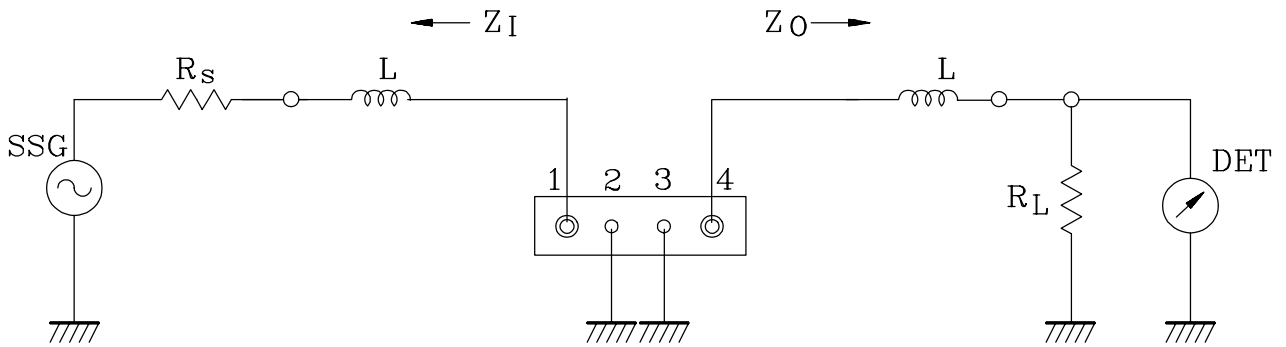


$R_s, R_L : 50\Omega$ (Internal Impedance of Source and Load)

$R : 0\Omega$

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

MEASUREMENT CIRCUIT

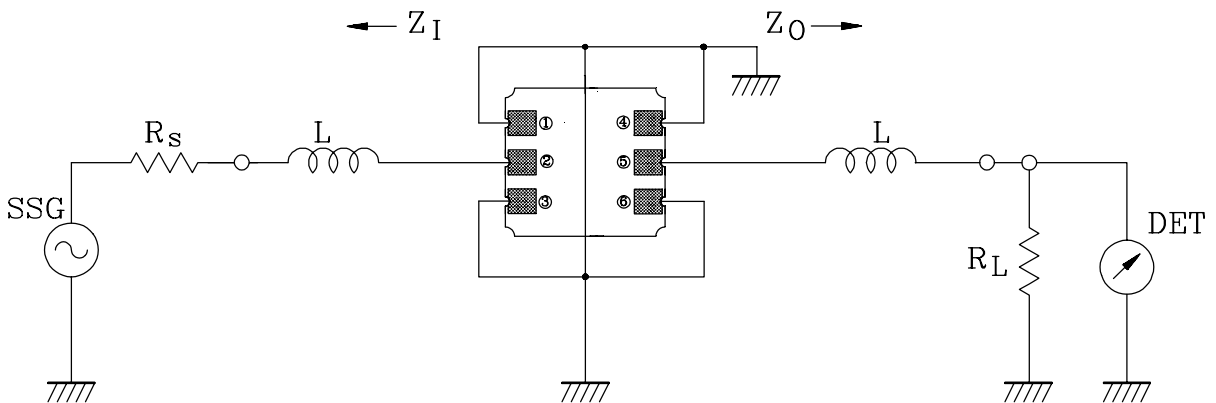


1: Input 2,3: Ground 4: Output

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

$L : 10\text{nH}$

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



② INPUT ①,③,④,⑥, GROUND ⑤ OUTPUT