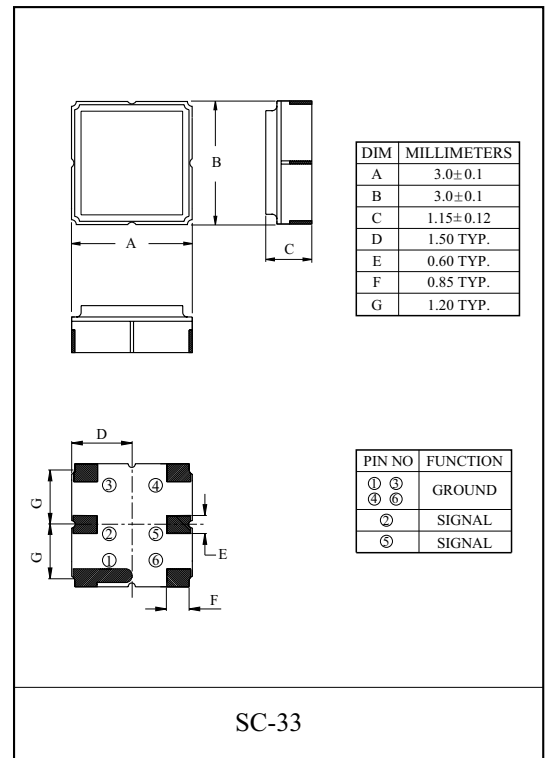


Band pass filters for the receiving RF circuits of transceiver, Keyless

- 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 : 150 Ω//0pF

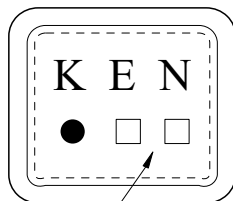
MAXIMUM RATINGS

ITEM	SYMBOL	RATING	UNIT
Input Signal Level	IS_{max}	0	dBm
DC Permissive Voltage	V_{DC}	+10	V
Operating Temperature Range	T_{opr}	-30 ~ +80	°C
Storage Temperature Range	T_{stg}	-40 ~ +85	°C



MARKING

(SC-33)



Lot No. _____

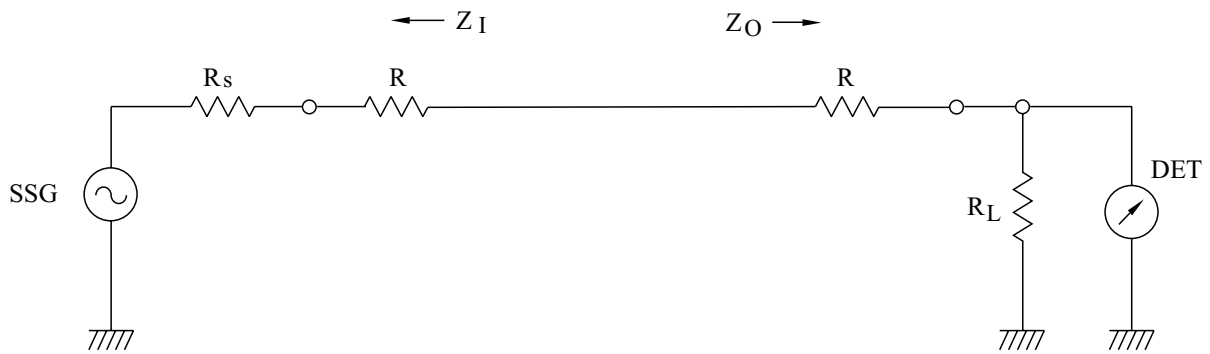
ELECTRICAL CHARACTERISTICS

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	f_0	-	-	448	-	MHz
Bandwidth	BW_{3dB}	-	$f_0 \pm 1.0$	-	-	MHz
Insertion Loss	IL_{PASS}	$f_0 \pm 1.0\text{MHz}$	-	2.0	4.0	dB
Ripple Level	A_{RIP}	$f_0 \pm 1.0\text{MHz}$	-	1.0	2.0	dB
		$f_0 - 44.8 \sim f_0 - 40.8\text{MHz}$	50	-	-	dB
		$f_0 + 40.8 \sim f_0 + 44.8\text{MHz}$	45	-	-	dB
Input/Output Impedance	$Z_1(Z_0)$	-	-	150 Ω//0pF	-	-

KF448BU

TEST CIRCUIT

REFERENCE LEVEL TEST CIRCUIT

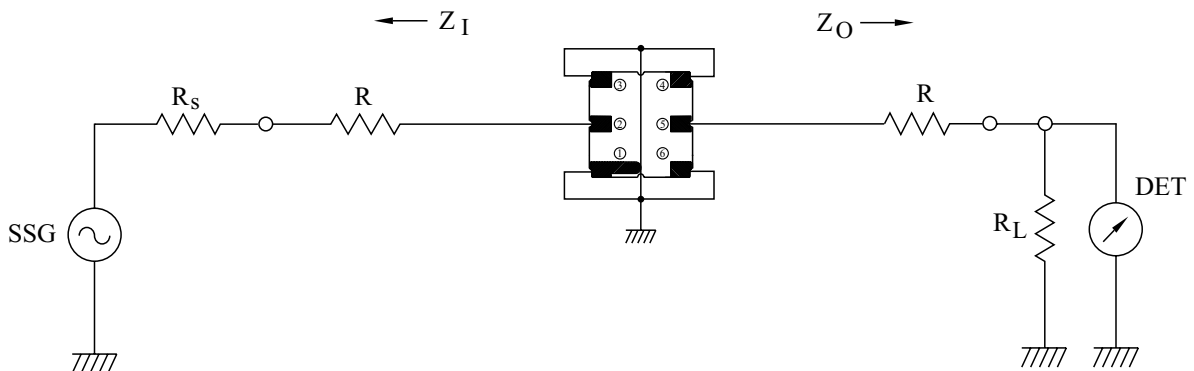


$R_s, R_L : 50 \Omega$ (Internal Impedance of Source and Load)

$R : 0 \Omega$

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

MEASUREMENT CIRCUIT



② : INPUT ①, ③, ④, ⑥ : GROUND ⑤ : OUTPUT

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

$R : 100 \Omega$

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