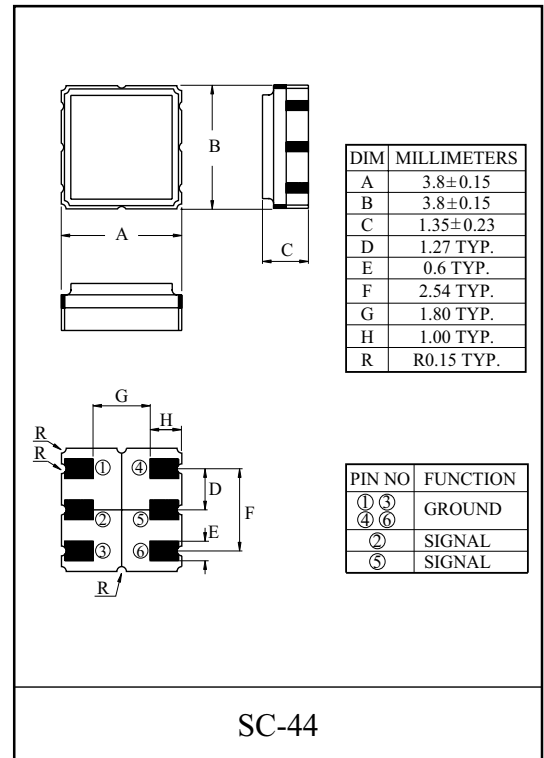


Band pass filters for 400MHz ~500MHz Band.

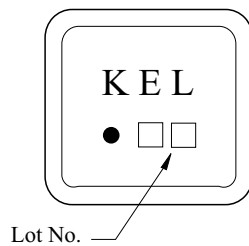
- High stability and reliability with good performance and no adjustment.
- Wide and sharp pass band characteristics.
- Low insertion loss and deep stop band attenuation for interference.
- Terminating Impedance : 150 Ω //0pF

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}	-10 ~ +50	°C
Storage Temperature Range	T_{stg}	-30 ~ +85	°C



MARKING



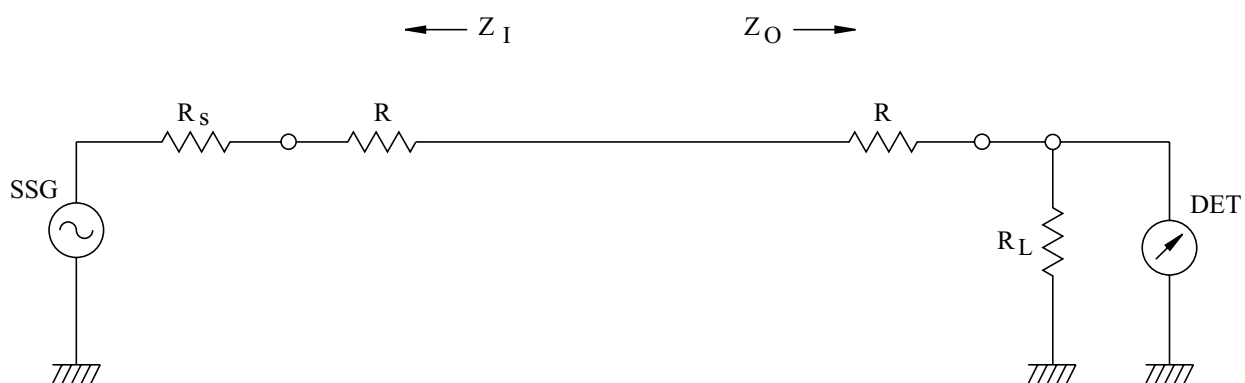
ELECTRICAL CHARACTERISTICS

ITEMS	SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Nominal Center Frequency	f_o	-	-	446	-	MHz
Bandwidth	BW_{3dB}	-	$f_o \pm 2.0$	-	-	MHz
Insertion Loss	IL_{PASS}	$f_o \pm 2.0\text{MHz}$	-	-	4.0	dB
Ripple Level	A_{RIP}	$f_o \pm 2.0\text{MHz}$	-	-	2.0	dB
Rejection Level	IL_{STOP}	$f_o - 100 \sim f_o - 40.8\text{MHz}$	55	-	-	dB
		$f_o + 30 \sim f_o + 100\text{MHz}$	55	-	-	dB
Input/Output Impedance	$Z_i(Z_o)$	-	-	150 Ω //0pF	-	-

KF446BV

TEST CIRCUIT

REFERENCE LEVEL TEST CIRCUIT

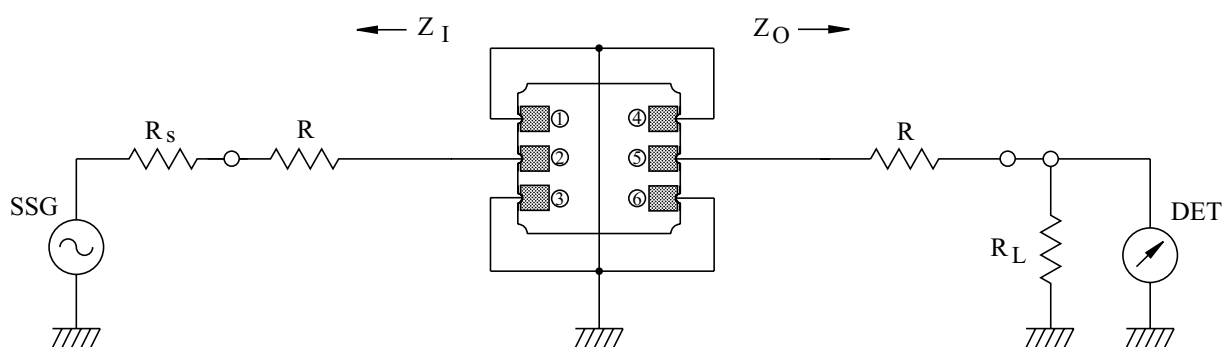


$R_s, R_L : 50 \, \Omega$ (Internal Impedance of Source and Load)

$R : 100 \, \Omega$

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

MEASUREMENT CIRCUIT



② : Input ①, ③, ④, ⑥ : Ground ⑤ : Output

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

$R : 100 \, \Omega$

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