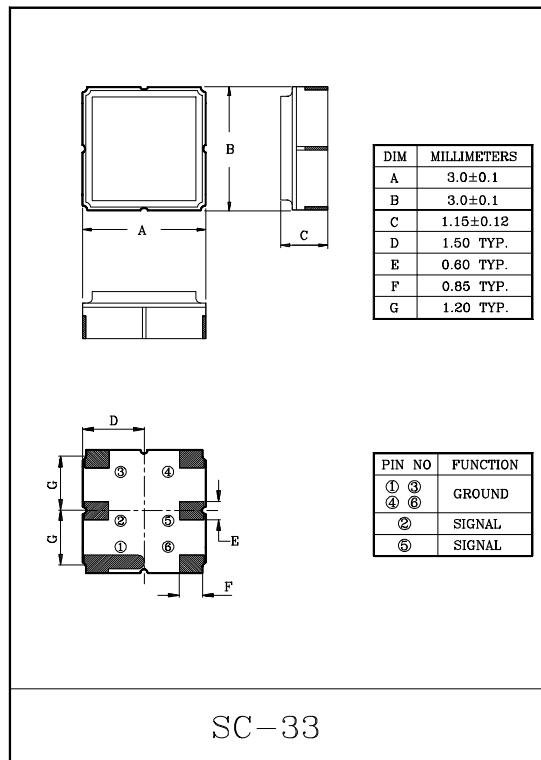


Band pass filters for RX of EGSM.

- 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

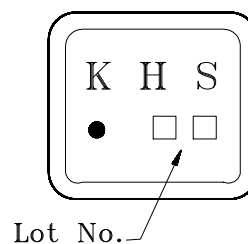
| ITEM | SYMBOL | RATING | UNIT |
|-----------------------------|------------|------------|------|
| Input Signal Level | IS_{max} | +23 | dBm |
| DC Permissive Voltage | V_{DC} | -5 ~ +5 | V |
| Operating Temperature Range | T_{opr} | -30 ~ +85 | °C |
| Storage Temperature Range | T_{stg} | -40 ~ +100 | °C |



ELECTRICAL CHARACTERISTICS (Ta=-30~+85°C)

| ITEMS | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|-----------------------------|-------------|--------------------|----------------|----------|------|------|
| Nominal Center Frequency | f_0 | - | - | 942.5 | - | MHz |
| Bandwidth | BW_{3dB} | - | $f_0 \pm 17.5$ | - | - | MHz |
| Insertion Loss | IL_{PASS} | $f_0 \pm 17.5$ MHz | - | 2.0 | 3.5 | dB |
| Ripple Level | A_{RIP} | $f_0 \pm 17.5$ MHz | - | 1.0 | 2.0 | dB |
| Rejection Level | IL_{STOP} | DC ~ 905 MHz | 17 | 18 | - | dB |
| | | 905 ~ 915 MHz | 5 | 16 | - | |
| | | 980 ~ 1000 MHz | 13 | 20 | - | |
| | | 1000 ~ 2000 MHz | 20 | 22 | - | |
| Voltage Standing Wave Ratio | VSWR | $f_0 \pm 17.5$ MHz | - | 2.2 | 2.7 | - |
| Input/Output Impedance | $Z_I(Z_O)$ | - | - | 50Ω//0pF | - | - |

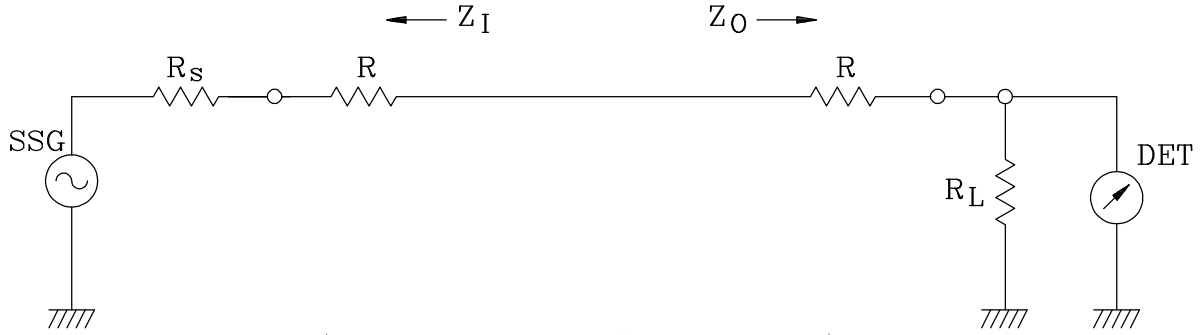
Marking



KF942FU

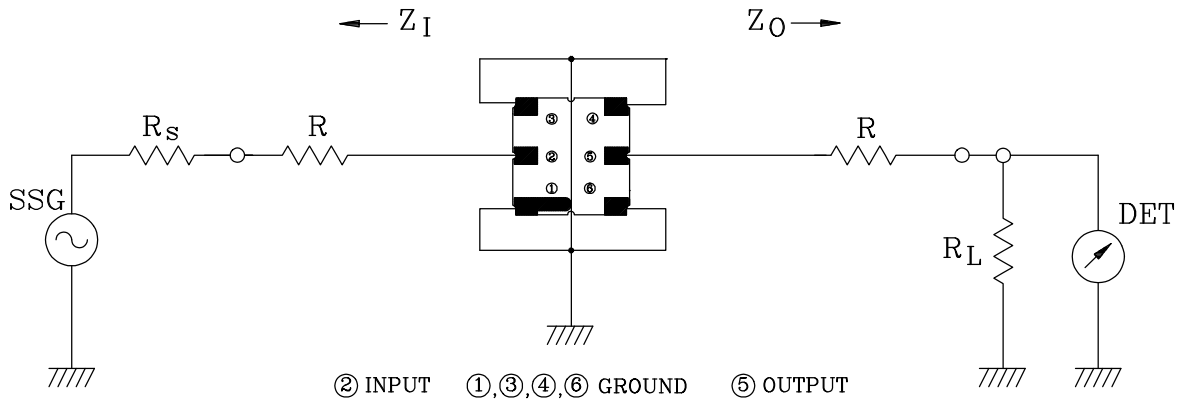
TEST CIRCUIT

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



$R_s, R_L : 50\Omega$ (Internal Impedance of Source and Load)
 $R : 0\Omega$
 $Z_i(Z_o)=R_s(R_L)+R$