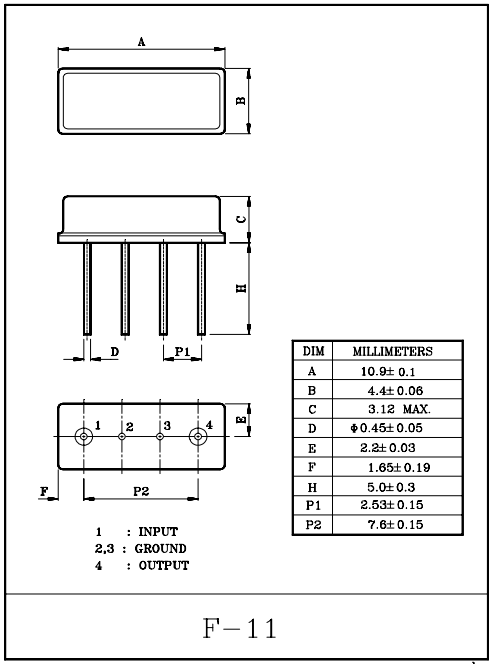
Band pass filters for RF circuits of ISM Cordless phone

- 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.
- KF927A : F-11 Package
  KF927AV : SC-44 Package.

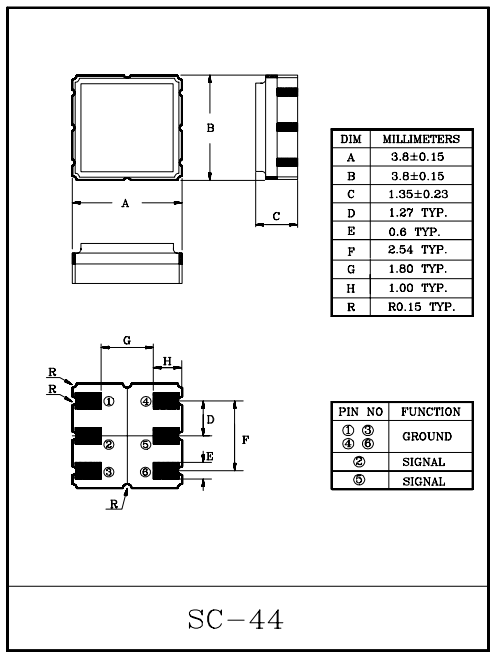



| DIM | MILLIMETERS |
|---|---|
| A | 10.9± 0.1 |
| B | 4.4± 0.06 |
| C | 3.12 MAX. |
| D | Φ0.45± 0.05 |
| E | 2.2± 0.03 |
| F | 1.65± 0.19 |
| H | 5.0± 0.3 |
| P1 | 2.53± 0.15 |
| P2 | 7.6± 0.15 |

F-11

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 | ℃ |



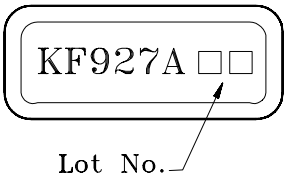

| DIM | MILLIMETERS |
|---|---|
| A | 3.8±0.15 |
| B | 3.8±0.15 |
| C | 1.35±0.23 |
| D | 1.27 TYP. |
| E | 0.6 TYP. |
| F | 2.54 TYP. |
| G | 1.80 TYP. |
| H | 1.00 TYP. |
| R | R0.15 TYP. |

| PIN NO | FUNCTION |
|---|---|
| ① ③ ④ ⑥ | GROUND |
| ② | SIGNAL |
| ⑤ | SIGNAL |

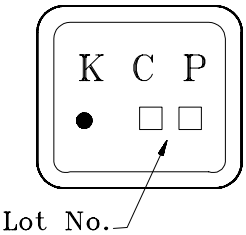
SC-44

MARKING

(F-11)




(SC-44)

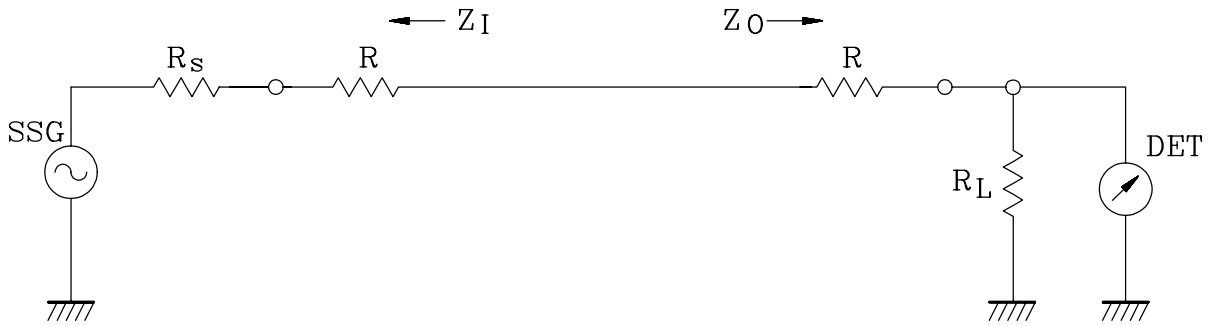



ELECTRICAL CHARACTERISTICS (Temperature 25±2℃, Humidity 65±5%)

| ITEMS | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|---|---|---|---|---|---|---|
| Nominal Center Frequency | fo | - | - | 927 | - | MHz |
| Bandwidth | $BW_{3dB}$ | - | $f_O$±1.2 | - | - | MHz |
| Insertion Loss | $IL_{PASS}$ | $f_O$±1.2MHz | - | 4.4 | 5.0 | dB |
| Ripple Level | $A_{RIP}$ | $f_O$±1.2MHz | - | - | 1.5 | dB |
| Rejection Level | $IL_{STOP}$ | $f_O$-45~$f_O$-40MHz | 45 | 51 | - | dB |
| | | $f_O$-25~$f_O$-23MHz | 35 | 44 | - | dB |
| | | $f_O$+40~$f_O$+45MHz | 40 | 55 | - | dB |
| Input/Output Impedance | $Z_I(Z_O)$ | - | - | 50Ω | - | - |

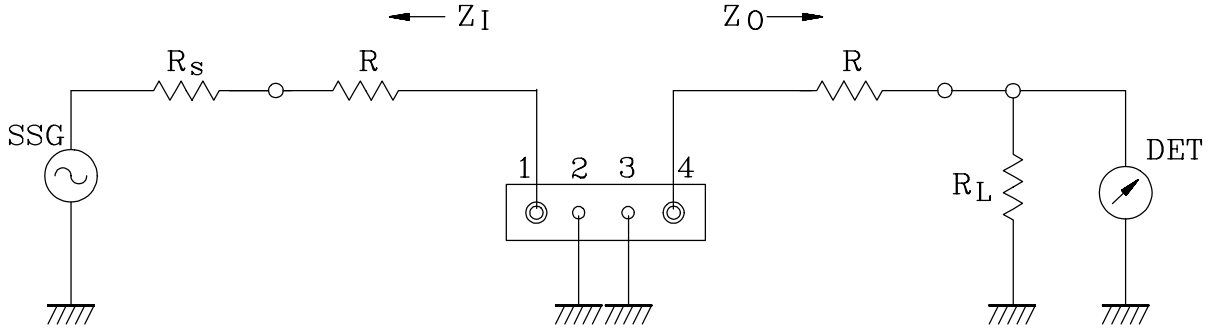
TEST CIRCUIT

REFERENCE LEVEL TEST CIRCUIT



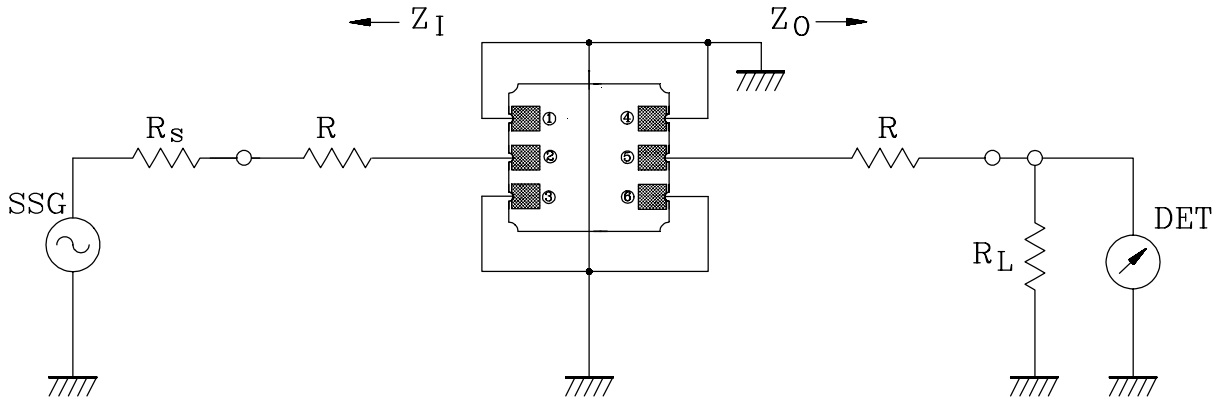

$R_S$, $R_L$ : 50Ω (Internal Impedance of Source and Load)
R : 0Ω
$Z_I(Z_O)=R_S(R_L)+R$

MEASUREMENT CIRCUIT




1: Input 2,3: Ground 4: Output

$R_S$, $R_L$ : 50Ω (Internal Impedance of Source and Load)
R : 0Ω
$Z_I(Z_O)=R_S(R_L)+R$




② INPUT ①,③,④,⑥, GROUND ⑤ OUTPUT