



2. A description of circuitry to suppress spurious emissions

2-1. SAW FILTER

KEC

KOREA ELECTRONICS CO., LTD.

SAW FILTER TECHNICAL DATA

KF448BS/BV SPECIFICATIONS FOR SAW FILTER

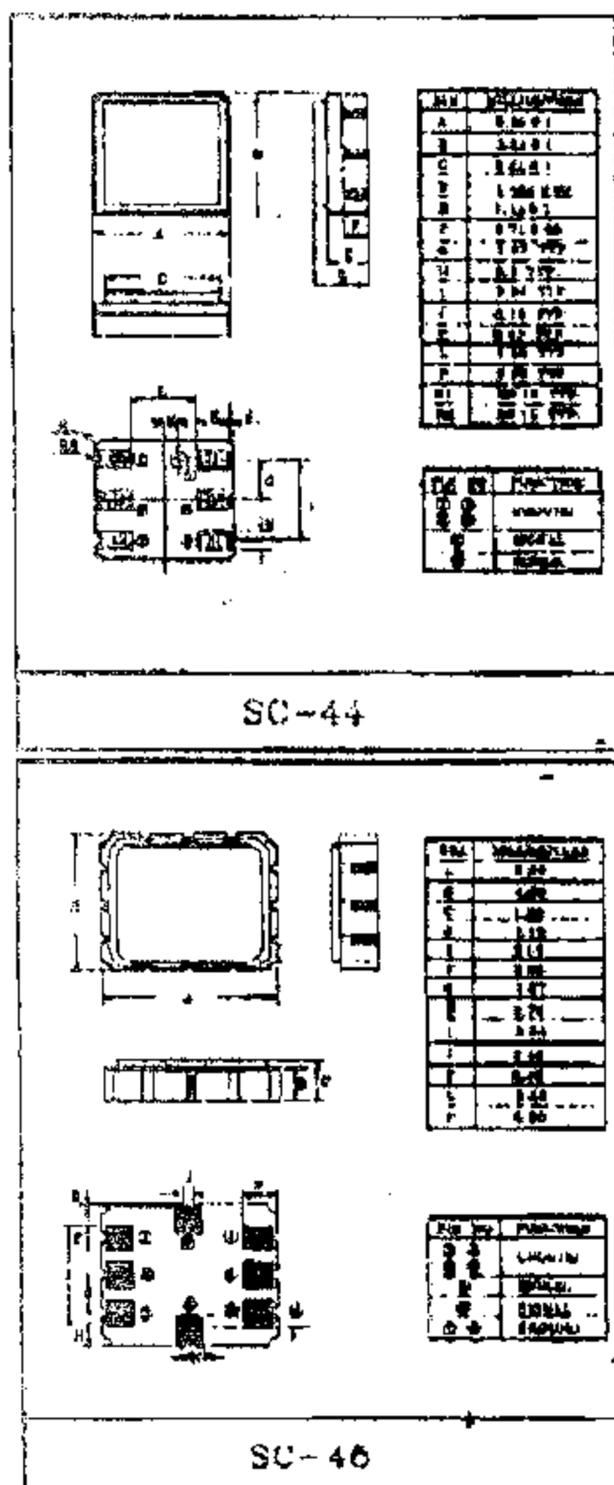
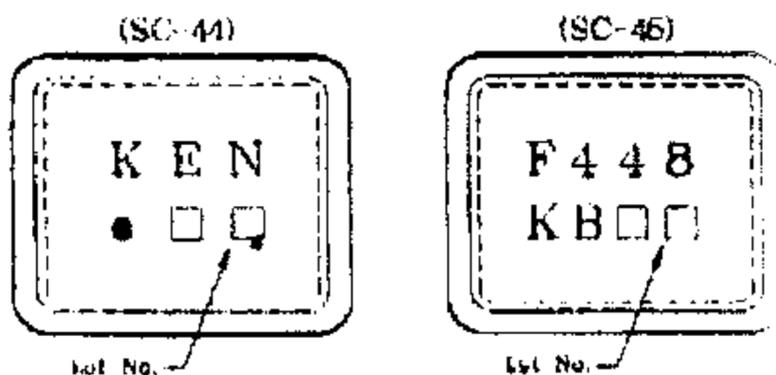
Band pass filters for the receiving RF circuits of transceiver

- 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 : 150Ω/0pF
- KF448BS(SC-45), KF448BV(SC-44)
- DIPCP-11 Package Type : KF448B
- 50Ω/0pF Terminating Impedance Type : KF448AS/BV.

MAXIMUM RATINGS (T_a=25°C)

| ITEM | SYMBOL | RATING | UNIT |
|-----------------------------|-------------------|---------|------|
| Input Signal Level | I _{Smax} | 0 | dBm |
| DC Permissible Voltage | V _{DC} | +10 | |
| Operating Temperature Range | T _{op} | -20~+60 | |
| Storage Temperature Range | T _{stg} | -30~+95 | |

MARKING



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

| ITEMS | SYMBOL | TEST CONDITION | MIN. | TYP. | MAX. | UNIT |
|-------------------------|----------------------------------|--|----------------------|----------|------|------|
| Normal Center Frequency | f ₀ | - | - | 418 | - | MHz |
| Bandwidth | BW _{3dB} | - | f ₀ ± 2.0 | - | - | MHz |
| Insertion Loss | IL _{PAS} | f ₀ ± 2.0MHz | - | - | 4.0 | dB |
| Ripple Level | A _{rip} | f ₀ ± 2.0MHz | - | - | 2.0 | dB |
| Rejection Level | IL _{stop} | f ₀ -44.8~f ₀ -40.8MHz | 50 | - | - | dB |
| | | f ₀ +40.8~f ₀ +44.8MHz | 45 | - | - | dB |
| Input/Output Impedance | Z _i (Z _o) | - | - | 150Ω/0pF | - | - |