

Band pass filters for 400MHz~520MHz Range.

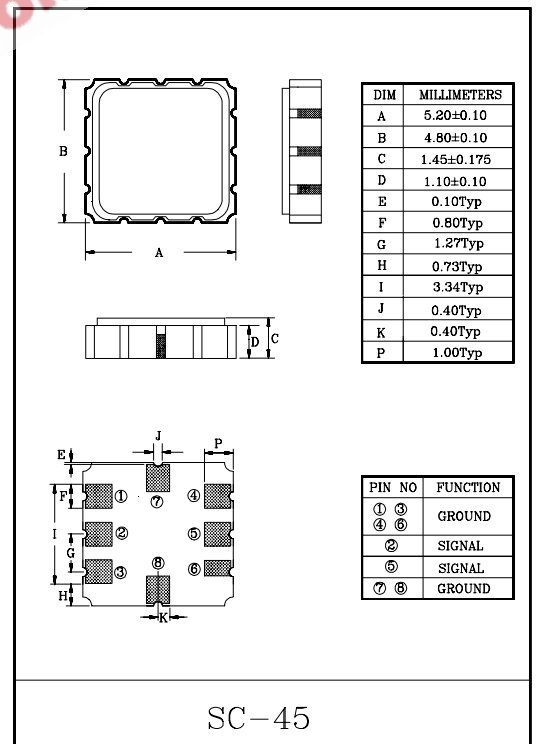
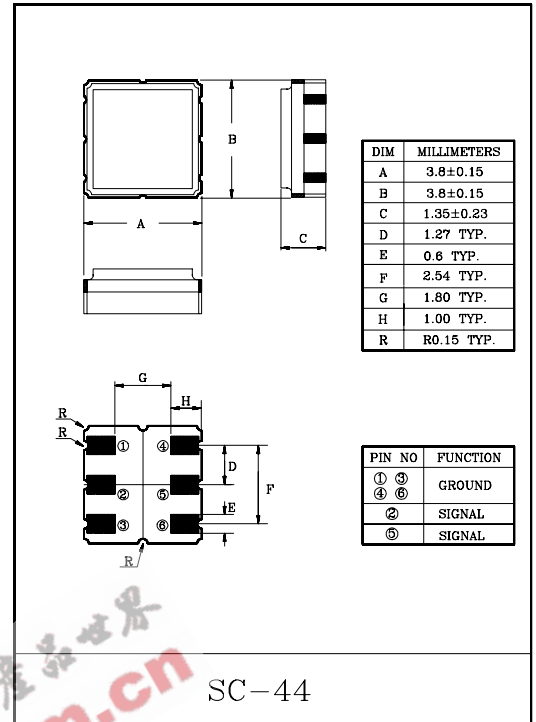
- High stability and reliability with good performance and no adjustment.
- Wide and sharp pass band characteristics.
- Low insertion loss and deep stop band attenuation for interference.
- Terminating Impedance :  $150\Omega // 0pF$
- SC-45Package:KF□□□BS, SC-44package:KF□□□BV.
- F-11 Package Type : KF402B~KF518B

#### MAXIMUM RATINGS (Ta=25°C)

| ITEM                        | SYMBOL            | RATING  | UNIT |
|-----------------------------|-------------------|---------|------|
| Input Signal Level          | IS <sub>max</sub> | 0       | dBm  |
| DC Permissive Voltage       | V <sub>DC</sub>   | +10     | V    |
| Operating Temperature Range | T <sub>opr</sub>  | -10~+50 | °C   |
| Storage Temperature Range   | T <sub>stg</sub>  | -30~+85 | °C   |

#### ITEM LIST

|            |            |            |
|------------|------------|------------|
| KF402BS/BV | KF442BS/BV | KF482BS/BV |
| KF406BS/BV | KF446BS/BV | KF486BS/BV |
| KF410BS/BV | KF450BS/BV | KF490BS/BV |
| KF414BS/BV | KF454BS/BV | KF494BS/BV |
| KF418BS/BV | KF458BS/BV | KF498BS/BV |
| KF422BS/BV | KF462BS/BV | KF502BS/BV |
| KF426BS/BV | KF466BS/BV | KF506BS/BV |
| KF430BS/BV | KF470BS/BV | KF510BS/BV |
| KF434BS/BV | KF474BS/BV | KF514BS/BV |
| KF438BS/BV | KF478BS/BV | KF518BS/BV |



# KF402BS/BV ~ KF518BS/BV

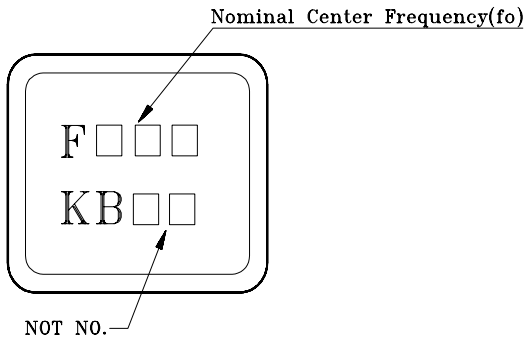
ELECTRICAL CHARACTERISTICS (Temperature  $20 \pm 2^\circ\text{C}$ , Humidity  $65 \pm 5\%$ )

| ITEMS                    |                                  | SYMBOL                                | TEST CONDITION | MIN. | TYP.      | MAX. | UNIT |
|--------------------------|----------------------------------|---------------------------------------|----------------|------|-----------|------|------|
| Nominal Center Frequency | KF402BS/BV                       | fo                                    | -              | -    | 402       | -    | MHz  |
|                          | KF406BS/BV                       |                                       |                |      | 406       |      |      |
|                          | KF410BS/BV                       |                                       |                |      | 410       |      |      |
|                          | KF414BS/BV                       |                                       |                |      | 414       |      |      |
|                          | KF418BS/BV                       |                                       |                |      | 418       |      |      |
|                          | KF422BS/BV                       |                                       |                |      | 422       |      |      |
|                          | KF426BS/BV                       |                                       |                |      | 426       |      |      |
|                          | KF430BS/BV                       |                                       |                |      | 430       |      |      |
|                          | KF434BS/BV                       |                                       |                |      | 434       |      |      |
|                          | KF438BS/BV                       |                                       |                |      | 438       |      |      |
|                          | KF442BS/BV                       |                                       |                |      | 442       |      |      |
|                          | KF446BS/BV                       |                                       |                |      | 446       |      |      |
|                          | KF450BS/BV                       |                                       |                |      | 450       |      |      |
|                          | KF454BS/BV                       |                                       |                |      | 454       |      |      |
|                          | KF458BS/BV                       |                                       |                |      | 458       |      |      |
|                          | KF462BS/BV                       |                                       |                |      | 462       |      |      |
|                          | KF466BS/BV                       |                                       |                |      | 466       |      |      |
|                          | KF470BS/BV                       |                                       |                |      | 470       |      |      |
|                          | KF474BS/BV                       |                                       |                |      | 474       |      |      |
|                          | KF478BS/BV                       |                                       |                |      | 478       |      |      |
|                          | KF482BS/BV                       |                                       |                |      | 482       |      |      |
|                          | KF486BS/BV                       |                                       |                |      | 486       |      |      |
|                          | KF490BS/BV                       |                                       |                |      | 490       |      |      |
|                          | KF494BS/BV                       |                                       |                |      | 494       |      |      |
| KF498BS/BV               | 498                              |                                       |                |      |           |      |      |
| KF502BS/BV               | 502                              |                                       |                |      |           |      |      |
| KF506BS/BV               | 506                              |                                       |                |      |           |      |      |
| KF510BS/BV               | 510                              |                                       |                |      |           |      |      |
| KF514BS/BV               | 514                              |                                       |                |      |           |      |      |
| KF518BS/BV               | 518                              |                                       |                |      |           |      |      |
| Bandwidth                | BW <sub>3dB</sub>                | -                                     | $f_0 \pm 2.0$  | -    | -         | -    | MHz  |
| Insertion Loss           | IL <sub>PASS</sub>               | $f_0 \pm 2.0\text{MHz}$               | -              | -    | 4.0       | -    | dB   |
| Ripple Level             | A <sub>RIP</sub>                 | $f_0 \pm 2.0\text{MHz}$               | -              | -    | 2.0       | -    | dB   |
| Rejection Level          | IL <sub>STOP</sub>               | $f_0 - 100 \sim f_0 - 40.8\text{MHz}$ | 55             | -    | -         | -    | dB   |
|                          |                                  | $f_0 + 30 \sim f_0 + 100\text{MHz}$   | 55             | -    | -         | -    | dB   |
| Input/Output Impedance   | Z <sub>I</sub> (Z <sub>O</sub> ) | -                                     | -              | -    | 150Ω//0pF | -    | -    |

# KF402BS/BV ~ KF518BS/BV

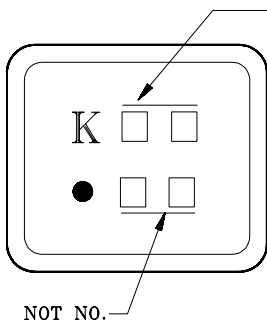
## MARKING

(SC-45)



| ITEM    | $f_o$ | ITEM    | $f_o$ | ITEM    | $f_o$ |
|---------|-------|---------|-------|---------|-------|
| KF402BS | 402   | KF442BS | 442   | KF482BS | 482   |
| KF406BS | 406   | KF446BS | 446   | KF486BS | 486   |
| KF410BS | 410   | KF450BS | 450   | KF490BS | 490   |
| KF414BS | 414   | KF454BS | 454   | KF494BS | 494   |
| KF418BS | 418   | KF458BS | 458   | KF498BS | 498   |
| KF422BS | 422   | KF462BS | 462   | KF502BS | 502   |
| KF426BS | 426   | KF466BS | 466   | KF506BS | 506   |
| KF430BS | 430   | KF470BS | 470   | KF510BS | 510   |
| KF434BS | 434   | KF474BS | 474   | KF514BS | 514   |
| KF438BS | 438   | KF478BS | 478   | KF518BS | 518   |

(SC-44)

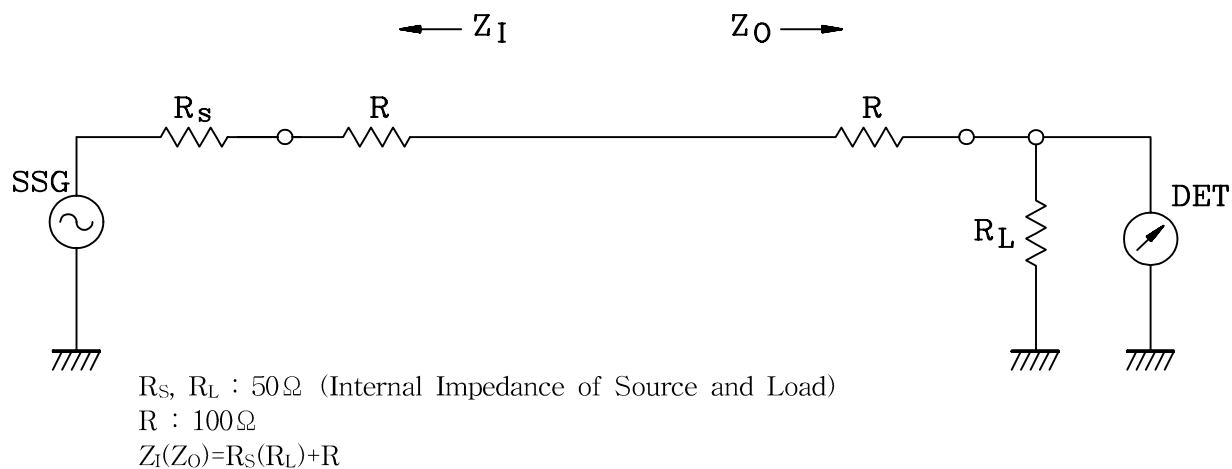


| ITEM    | Mark | ITEM    | Mark | ITEM    | Mark |
|---------|------|---------|------|---------|------|
| KF402BV | EA   | KF442BV | EK   | KF482BV | FJ   |
| KF406BV | EB   | KF446BV | EL   | KF486BV | FK   |
| KF410BV | EC   | KF450BV | FA   | KF490BV | FL   |
| KF414BV | ED   | KF454BV | FB   | KF494BV | FM   |
| KF418BV | EE   | KF458BV | FC   | KF498BV | FN   |
| KF422BV | EF   | KF462BV | FD   | KF502BV | GA   |
| KF426BV | EG   | KF466BV | FF   | KF506BV | GB   |
| KF430BV | EH   | KF470BV | FG   | KF510BV | GC   |
| KF434BV | EI   | KF474BV | FH   | KF514BV | GD   |
| KF438BV | EJ   | KF478BV | FI   | KF518BV | GE   |

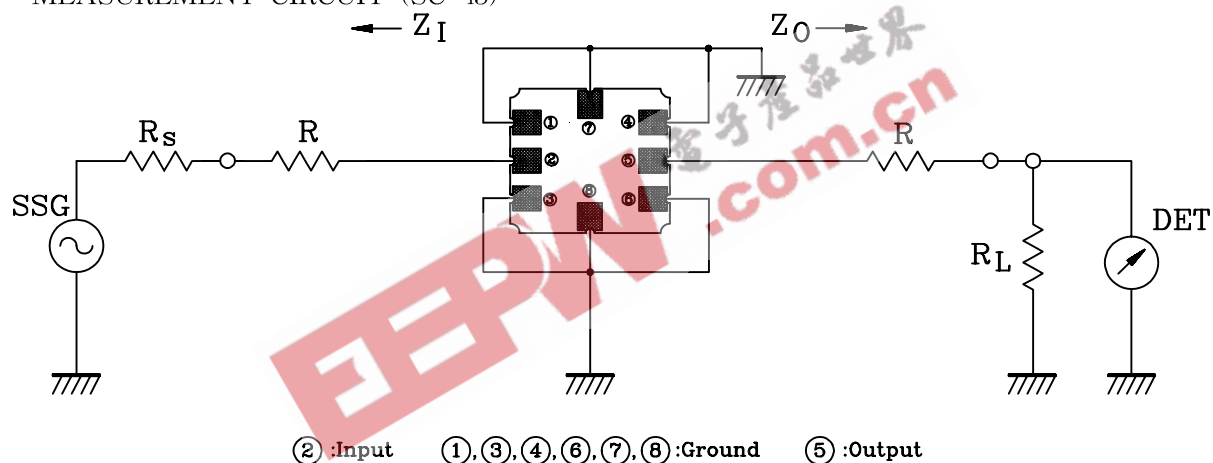
# KF402BS/BV ~ KF518BS/BV

## TEST CIRCUIT

### REFERENCE LEVEL TEST CIRCUIT



### MEASUREMENT CIRCUIT (SC-45)



### (SC-44)

