

# ST-35.5GB13GA13

## Cavity Band Pass Filter

### Specifications

| S/N | Item                     | Parameters                                                                                                                                                                                       |
|-----|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Center Frequency(F0)     | 35.5GHz                                                                                                                                                                                          |
| 2   | Pass Band Frequency      | 29 ~ 42GHz                                                                                                                                                                                       |
| 3   | Pass Band Insertion Loss | ≤1.2dB                                                                                                                                                                                           |
| 4   | Pass Band Ripple         | ≤0.52dB                                                                                                                                                                                          |
| 5   | Pass Band Return Loss    | ≥17dB (Typical: ≥18dB)                                                                                                                                                                           |
| 6   | Stop Band Rejection      | <div> <div>           ≥80dB @ DC ~ 26.85GHz<br/>           ≥32dB @ 26.85 ~ 28GHz         </div> <div>           ≥32dB @ 43 ~ 44.32GHz<br/>           ≥80dB @ 44.32 ~ 58GHz         </div> </div> |
| 7   | Impedance                | 50 Ohms                                                                                                                                                                                          |
| 8   | Power Handling           | 5W Max.                                                                                                                                                                                          |
| 9   | Connectors               | 2.4mm(Q)-Female                                                                                                                                                                                  |
| 10  | Surface Finish           | Black Painted                                                                                                                                                                                    |
| 11  | Temperature Range        | -30°C ~ +70°C                                                                                                                                                                                    |
| 12  | Dimensions               | 60*14*7.6mm                                                                                                                                                                                      |
| 13  | Configuration            | As below (Tolerance: ±0.3mm)                                                                                                                                                                     |

