

1.0 ELECTRICAL SPECIFICATIONS:-

TABLE-1

| ITEM NO. | DESCRIPTION | UNIT | MIN. | MAX. | UNIT | MIN. | MAX. | UNIT | MIN. | MAX. | UNIT | MIN. | MAX. |
|----------|---------------------------------|---------|--------|------|---------|-----------|-------|---------|------|------------|---------|------|--------|
| 1.1 | PASS BAND FREQUENCY | GHz | 8.7 | 8.9 | GHz | 9.0 | 15.0 | GHz | 9.2 | 17.2 | GHz | 10.0 | 18.0 |
| 1.2 | STOP BAND FREQUENCY | GHz | DC-8.3 | >9.2 | GHz | DC-8.6 | >15.4 | 40 | GHz | DC-8.8 | >17.6 | 40 | GHz |
| 1.3 | INSERTION LOSS (MAX) | dB | 2 | | dB | 9.0-14.8 | <2.0 | | dB | 9.2-9.3 | <2.25 | | dB |
| | | | | | | 14.8-15.0 | <2.5 | | dB | 9.3-17.0 | <2.0 | | dB |
| | | | | | | 17.0-17.2 | <2.5 | | dB | 17.75-18.0 | <3.0 | | dB |
| 1.4 | RETURN LOSS | | >14.0 | | | >9.54 | | | | >9.54 | | | >9.54 |
| 1.5 | POWER HANDLING CAPABILITY (MAX) | dBm CW | 30 | | dBm CW | 30 | | dBm CW | 30 | | dBm CW | 30 | |
| 1.6 | CONNECTOR | SMA (F) | | | SMA (F) | | | SMA (F) | | | SMA (F) | | |
| 1.7 | STOP BAND FREQ. REJECTION | dB | 400 | | dB | DC-8.6 | >50.0 | | dB | DC-8.8 | >50.0 | | dB |
| | | | | | | 15.4-35.0 | >50.0 | | dB | 17.6-35.0 | >50.0 | | dB |
| | | | | | | 35.0-40.0 | >40.0 | | dB | 35.0-40.0 | >40.0 | | dB |
| | | | | | | 9.3-40.0 | >50.0 | | dB | | | | dB |
| 1.8 | SUPPLIER'S REF. | | CG 483 | | | SB 439 | | | | SB 438 | | | SB 440 |
| | | | | | | | | | | | | | SB 441 |

2.0 ENVIRONMENTAL SPECIFICATIONS:-

- 2.1 OPERATING TEMPERATURE : -20° TO 70°C
- 2.2 ENVIRONMENTAL : MIL-E-16400 OR EQUIVALENT
- 2.3 EW/EWC : MIL-STD-461

SUPPLIER : W/s FILTRONOSLUK
 SUPPLIER'S REF: SEE TABLE-1

NOTES:-

- 1. TEST DATA RESULTS TO BE PROVIDED ALONG WITH EACH UNIT.
- 2. CERTIFICATE OF CONFORMANCE FOR ENVIRONMENTAL SPECIFICATIONS TO BE PROVIDED FOR EACH UNIT.
- 3. BEL PART NUMBER TO BE ENGAGED ON EACH COMPONENT.

| NO. | REV. | DATE | DESCRIPTION | BY | CHKD. | APPD. | QTY |
|-----|------|----------|-------------|----|-------|-------|-----|
| 1 | | 21/10/05 | ORIGINAL | | | | |
| 2 | | 01/08/06 | CHANGE | | | | |

| | | | | | | |
|------------|---------|------------|----------|------------|------------------|-----------------|
| DRWN | CHECKED | ENGINEER | DWG'S | SCALE | TITLE | HELD IN |
| RBR | | D B DURGA | N/W | N/S | FILTER BAND PASS | EWD |
| DT22/10/05 | DT | DT01/08/06 | DOC CODE | NUMBER | HYDERABAD | NO. OF SHEETS 1 |
| | | | | 4553 775 0 | | |
| | | | | | | |



BHARAT ELECTRONICS
 HYDERABAD