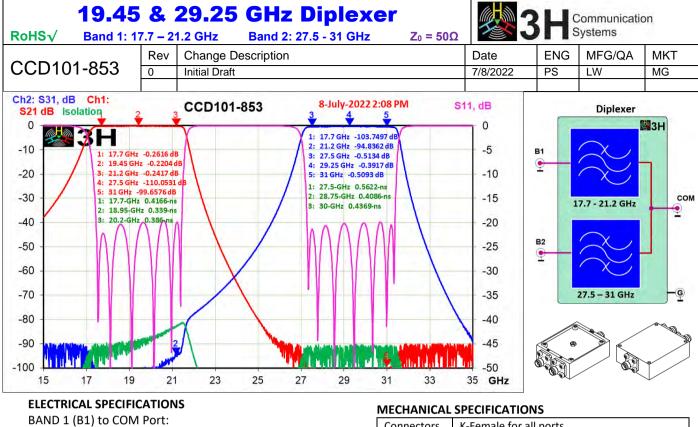
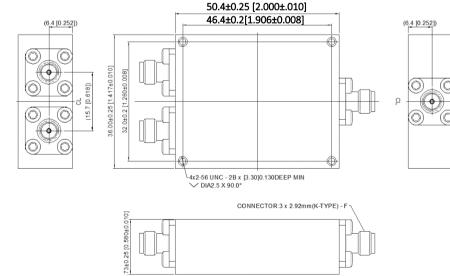
DATA SHEET



| 17.7 – 21.2 GHz (F0=19.45 GHz) | | | | | |
|--------------------------------|--|--|--|--|--|
| 1 dB max | | | | | |
| | | | | | |
| 80 dB min | | | | | |
| BAND 2 (B2) to COM Port: | | | | | |
| 27.5 – 31 GHz (F0=29.25 GHz) | | | | | |
| 1 dB max | | | | | |
| Rejections: | | | | | |
| 80 dB min | | | | | |
| | | | | | |

| Return Loss, All Ports | 15 dB min |
|-----------------------------|-------------------|
| Power, Each Band | +40 dBm CW (10 W) |
| B1/B2 Isolation (Each Band) | 80 dB min |



Note: This is preliminary mechanical layout and some dimensions may change slightly during prototyping and will be finalized after the first prototype.

It is common for silver plated parts to tarnish after being exposed to the air and may not look aesthetically pleasing after a while, however, the performance will not degrade.

| Drawn By: | Material: AL, CU, Ag | Tolerances | | | tained in this document the prior written permission | |
|----------------|---|-------------------|------------|---------|---|--------|
| QA Approval: | AL, ULTEM, PTFE, BRASS, Copper, Loctite | .XX ±0.020[0.508] | Date | DWG # | Unite | Pages |
| Eng. Approval: | Finish: Silver plated or Natural Aluminium | .XXX ±.010[0.254] | July 8, 22 | 101-851 | ln[mm] | 1 of 1 |

| Conn | ectors | K-Female for all ports | | |
|---------------|---|------------------------|-----------------|--|
| RF Connectors | | s Configuration | In Line | |
| Markings | | B1, B2, COM ENGRA | VED | |
| Weight | | | ~0.3 Kg Max TBD | |
| Size | 50.4 x 36 x 14.73 mm^3 [2"x1.417"x.58"] max | | | |

ENVIRONMENTAL/QUALITY SPECIFICATIONS

| Operating Temperature Range | -40 to +85°C | | | |
|-----------------------------------|-----------------|--|--|--|
| Non-Operating Temperature Range | -55 to +125°C | | | |
| Vibration 10 to 500 Hz | 10 G Mx | | | |
| Shock Duration | 11 ms | | | |
| IP Class | IP63 for Indoor | | | |
| Humidity, Relative non-condensing | 95% max | | | |