



## 1. Feature

- ▶ High Performance
- ▶ High Reliability
- ▶ RoHS Compliant

**Duplexer**

**Part No: CDU02800M03500A01**

**Date: Jan.17<sup>th</sup>.2021**

**Revision No: Preliminary**

## 2. Electrical Specifications

| No. | Parameter                        | Minimum            | Typical | Maximum | Units    |     |
|-----|----------------------------------|--------------------|---------|---------|----------|-----|
| 1   | Passband Frequency               | TX                 | 0.8     | -       | 2800     | MHz |
|     |                                  | RX                 | 3500    | -       | 6000     | MHz |
| 2   | Insertion Loss                   | -                  | -       | 1.6     | dB       |     |
| 3   | VSWR                             | Passband           | -       | -       | 1.5      | -   |
|     |                                  | TX@1880MHz         |         |         | 1.3      |     |
|     |                                  | RX@3760MHz,5640MHz |         |         | 1.3      |     |
| 4   | Attenuation(TX)                  | @3500MHz           | 45      | -       | -        | dB  |
|     |                                  | @3800-6000MHz      | 60      | -       | -        |     |
|     | 2nd Harmonics<br>(1980mhz@40dBm) | 3960MHz            | -       | -       | -90      | dBm |
|     | 3rd Harmonics<br>(1980mhz@40dBm) | 5940MHz            | -       | -       | -90      | dBm |
| 5   | Attenuation(RX)                  | @0.8MHz            | 45      | -       | -        | dB  |
|     |                                  | @1000MHz           | 50      | -       | -        | dB  |
|     |                                  | @2000MHz-2700MHz   | 55      | -       | -        | dB  |
| 6   | Impedance                        | -                  | 50      | -       | $\Omega$ |     |

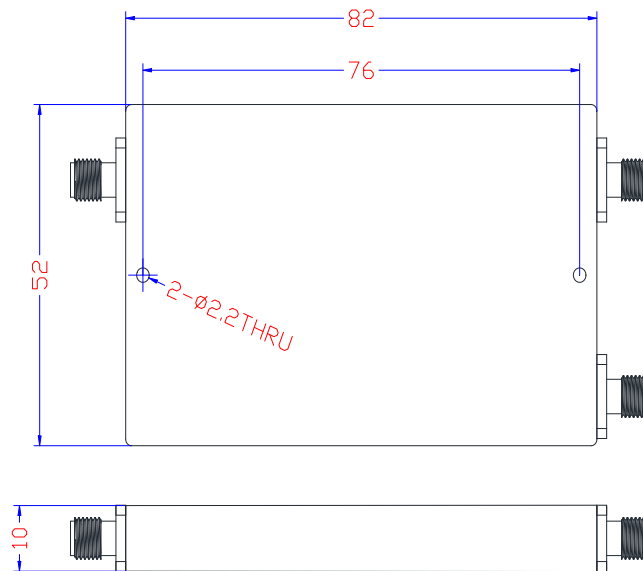
## 3.Mechanical Specifications

| Parameter      | Specifications | Remark |
|----------------|----------------|--------|
| Dimensions     | 82x52x10mm     |        |
| Connector Type | SMA-female     |        |
| Surface Finish | 本导喷砂           |        |

**4. Outline Drawing ( $\pm 0.3\text{mm}$ )**



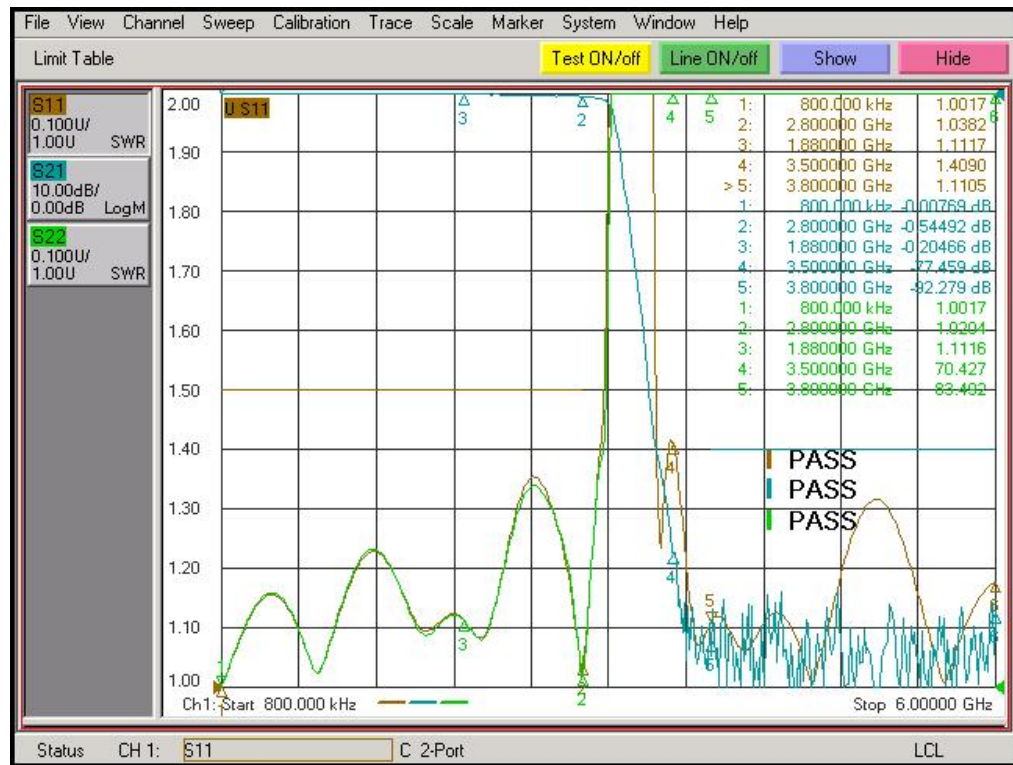
**CONCEPT**



## 5. Test Curves



### TX





RX

