

## Quarter-wave Surge arrester Specification

PN:LP-560-yy ( yy= connector type)

- . Multiple-Band Freq 555,700, 850, 900, PCS, UMTS, WCS, WIFI
- . Minimal RF Insertion Loss
- . High Reliability, IP65
- . Guaranteed Low PIM
- . RoHS Compliant

### 1. Electric performance

| Item                 | Requirement                                           | Remark |
|----------------------|-------------------------------------------------------|--------|
| Frequency            | 555-6000 MHz                                          |        |
| Insertion loss       | 0.2dB                                                 |        |
| VSWR                 | 1.35:1@555-698<br>1.20:1@698-4500<br>1.35:1@4500-6000 |        |
| Discharge DC current | 40kA                                                  | 8/20us |
| DC pass/block        | BLOCK                                                 |        |
| PIM 2X43dBm          | - 160dBc<br>- 165dBc typical                          |        |
| Power average        | 200 W                                                 |        |
| Power peak           | 2000 W                                                | 8/20us |
| Impedance            | 50 ohm                                                |        |

### 2. Environment

|               |           |  |
|---------------|-----------|--|
| Waterproof    | IP65      |  |
| Work temp     | -40-75℃   |  |
| store temp    | -50-85℃   |  |
| Work Humidity | <95%      |  |
| Work Altitude | <5000m    |  |
| Salt fog      | 168 hours |  |
| ROHS          | compliant |  |

### 3. Mechanical

|                    |                                                                                               |  |
|--------------------|-----------------------------------------------------------------------------------------------|--|
| Connector type     | Option: N, 7/16, 4.3-10, 2.2-5, NEX10                                                         |  |
| Connector material | Body: brass+ COPPER-TIN-ZINC2μm<br>Inner conductor: beryllium copper+Ag 3μm<br>Insulator:PTFE |  |
| Surface            | brass+ COPPER-TIN-ZINC                                                                        |  |
| Thermal shock      | IEC 60068-2-14-Na                                                                             |  |
| Vibration          | IEC 60068-2-6-Fc                                                                              |  |

|                         |                                                 |           |
|-------------------------|-------------------------------------------------|-----------|
| <b>Shock</b>            | IEC 60068-2-27                                  |           |
| <b>Mounting</b>         | Wall, bracket                                   | M5 bolt   |
| <b>Unit Dimension</b>   | 70X32X25mm                                      | See below |
| <b>Unit Package</b>     | 9X4X3cm                                         |           |
| <b>Unit Weight</b>      | 200g                                            |           |
| <b>Carton qty</b>       | 50 pcs/box                                      |           |
| <b>Carton dimension</b> | 35X30X20CM                                      |           |
| <b>Carton weight</b>    | 10Kg                                            |           |
| <b>Connector torque</b> | N: 1.36 N/m<br>4.3/10: 1.6 N/m<br>7/16: 1.6 N/m | Recommend |

