# *C Band / Appendix 30B Feed Horn*
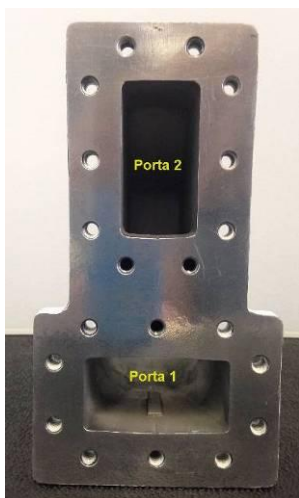# *Circular / Linear Switchable - Superfeed® 2 Motorized*

Produced in Brazil, the **Superfeed® 2 Motorized** Feeder, with a 22 cm scalar plate, is designed for the reception of C-Band and Appendix 30 B, in circular and linear polarizations, switchable electronically through the Rack Unit, with efficiency and practicality for dish antennas with a "polar" geometry structure for both Occhi Vision® antennas and other antennas on the market.
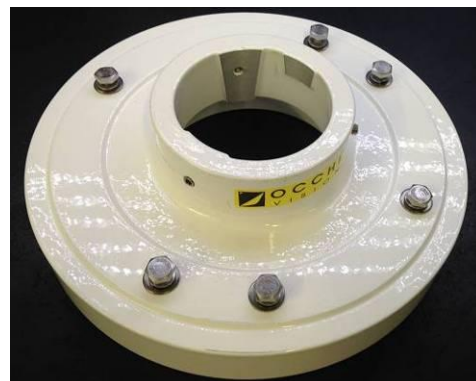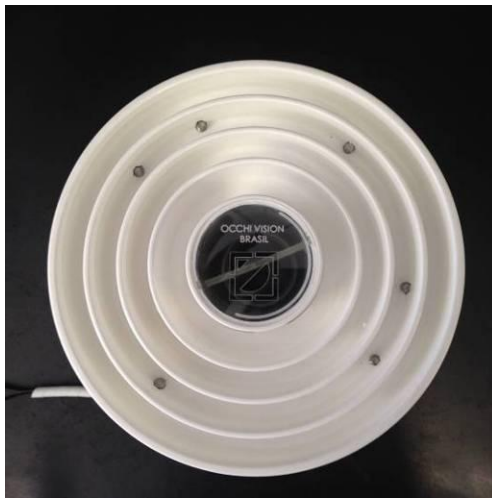


| Technical Specifications | |
|---|---|
| Model | *Superfeed 2 Motorized – SF2MP* |
| Polarization | Circular / Linear Dual – switchable electronically |
| Frequency Range | 3.4 to 4.8 GHz |
| RX Port | CPR 229F |
| F/D | 0.30 to 0.40  Pre-set in manufacturing |
| VSWR | 1.30:1 max. |
| Axial Ratio (circular) | ≤ 3.0 Typical |
| Cross-polarization (Linear) on the Axis - Axial Port 1 | 28 dB Typical |
| Cross-polarization (Linear) on Axis - Axial Port 2 | 25 dB Typical |
| Insertion Loss | 0.2dB |
| Return Loss | 15 dB |
| Feeder body and polarizer | Aluminum |
| Operating Temperature | -40°C to + 60°C |
| Assembly | For 3 or 4 rods antennas |
| Number of motors for switching | 2 DC motors with reducer |
| DC Motor Supply Voltage | 12 V |
| Mechanical transmission of polarization switching | Crown and pinion brass with shielded bearing |
| Polarization position sensor | 600-pulse optical encoder |
| End of course | Double - Mechanical and electronic |
| Communication of the switching system | TCP/IP |
| Application | For polar antennas |
| Weight | 7,0 Kg |

*Note: Ask for us about the version of Superfeed® 2 Motorized, for antennas type Azimuth & Elevation*

**Superfeed® 2 Motorized - Flanges and Plate Overview**



*Port 1: Axial 01*
*Port 2: Axial 02*

**ANTENNA MOUNTING**



The **Rack Unit** has the powerful processor dedicated with a Linux-based operating system. The set is extremely precise and smooth, provided by modern high performance optical encoders, which allow unmatched accuracy in polarization adjustment. Switching can be done directly on the Rack Unit screen or by the computer mouse that accompanies the system.

**RACK UNIT *SUPERFEED® 2***

| Technical Specifications | |
|---|---|
| **Model** | *Rack Unit Superfeed 2* **URSF2** |
| **Power Supply** | Redundant - 90 ~ 230 VAC |
| **Power Consumption** | 1,5 A |
| **Chipset** | Raspberry Pi3 |
| **Operational System** | Linux |
| **Storage** | Integrated |
| **LAN Port** | 1 x 10/100 Mbps |
| **USB Port** | 4 x USB 2.0 |
| **Screen** | Touch Screen 7" |
| **Frame** | Standard 19" with 2 rack units |
| **Keyboard** | ABNT2 |
| **Mouse** | Optical |
| **Peso** | 1,5 Kg |

The **Logical Unit** is housed in the antenna, the interface being responsible for the Rack Unit commands, performing the polarization switching, receiving and sending information about the polarization of the Motorized Superfeed® 2. It is equipped with the latest technology and does not lose the reference polarization, even with the lack of electricity.

**Logical Unit**



| Technical Specifications | |
|---|---|
| **Model** | *Logical Unit Superfeed 2* – **ULSF2** |
| **Power Supply** | Redundant - 90 ~ 230 VAC |
| **Power Consumption** | 2 A |
| **Memorization** | Internal hardware recording |
| **Preset** | Automatic |
| **Protection in power grid** | Thermomagnetic circuit breaker |
| **Weight** | 2,5 Kg |

NCM of the set: 8529.10.90

*Note: Specifications subject to change without notice.*
*Made in Brazil*