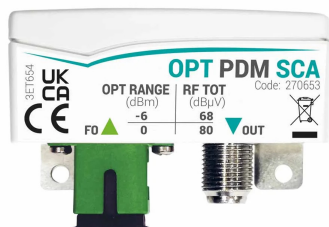


## OPT-PDM-SCA

### OPT PDM



The exclusive range of **OPT-PDM miniaturized optical receivers** exploits the potential offered by the FTTH passive optical infrastructure to create a TV-SAT (IF-IF) distribution system even in small and medium-sized residential systems. The optical receivers are **completely passive and no power is required**. The only light component available at the output of the OPT-MBJ optical transmitter and transported by the optical fiber is sufficient to make the optical receivers work and to have the correct RF signal at the highest quality on the coaxial output connector to be connected to the TVs or decoders sat.

(dimensions 47x33x15mm)

### Technical Chars

- SC/APC standard connector
- OPT-PDM receivers **do not need power supply** and the optical signal received at the input is sufficient to be able to return the RF signal at the output with the highest quality
- **Double operating mode:** the receivers can be used inside the flush-mounting boxes or in the "Retro TV" mode
- **Removable protective shell.**
- Frequency band managed: **88-2350MHz.**
- Optical Operating Range (typical): **0 to -6dBm**
- Operating optical window **1270-1610nm.**

| OPT-PDM-SCA             |     |               |
|-------------------------|-----|---------------|
| Code                    |     | 270653        |
| Optical input           |     |               |
| Optical input           |     | 1 x SC/APC    |
| Optical input connector |     | SC/APC        |
| Wavelength input        | nm  | 1270-1610     |
| Optical input power     | dBm | ≤10 (0 to -6) |
| Input TV                |     |               |
| Return loss             | dB  | >7            |
| SAT inputs              |     |               |
| Return loss             | dB  | >7            |
| RF output               |     |               |
| Connectors type         |     | F Female      |
| Return loss             | dB  | >7            |
| Outputs                 |     | 1 (TV + SAT)  |
| Optical output          |     |               |
| Optical return loss     | dB  | -50           |
| Safety class            |     | 1M            |

|                                 |      |                        |
|---------------------------------|------|------------------------|
| <b>Output level TV</b>          |      |                        |
| Max Output level                | dBμV | 67 (@0dBm)             |
| <b>Output level SAT</b>         |      |                        |
| Max output level for each mux   | dBμV | 80 (tot @0dBm)         |
| <b>Specifications</b>           |      |                        |
| Operating temperature           | °C   | 0 to +40               |
| Storage temperature             | °C   | -40 to +70             |
| Conformity                      |      | EN50083-2:2012/A1:2015 |
| <b>Dimensions and packaging</b> |      |                        |
| Pieces                          |      | 4                      |
| EAN code                        |      | 8016978105939          |
| Multiple EAN                    |      | 8016978105281          |
| Packaging dimensions            | mm   | 85 x 50 x 60           |
| Product dimensions              | mm   | 47 x 33 x 15           |
| Single gross weight             | kg   | 0.152                  |