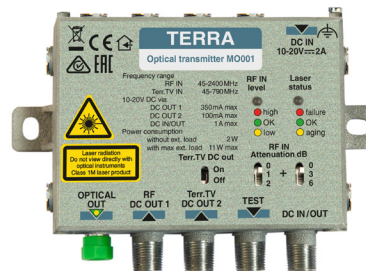




# 1 SAT IF distribution equipment

## Optical transmitter

- compact wideband optical transmitter offering optimal price-performance ratio
- SAT and DTT inputs with DC by pass for remote feeding
- gain adjustment (only for RF input)
- LED indication of input signal level and laser diode aging
- RF test output / DTT input port
- robust die-cast housing
- connectors:
  - RF inputs - type F
  - DC output - type F
  - DC AUX - 5.5/2.1 mm DC jack
  - optical - FC/APC or SC/APC



Technical specifications		
T Y P E		M0001*
<b>Wideband</b>	frequency range	45-2400 MHz
<b>RF input</b>	return loss/impedance	> 12 dB / 75 Ω
	flatness	± 1.5 dB
	RF input level (AGC range)	65-90 dBμV (per transponder); 80-105 dBμV (total level)
	gain adjustment	0 - 8 dB by 1 dB step
	OMI (SAT IF 30 transp., AGC range)	4.9 %
	DC feeding for external, switchable	10 V-20 V 350 mA max.
<b>Terr.TV</b>	frequency range	45-790 MHz
<b>RF input</b>	return loss/impedance	> 12 dB / 75 Ω
	flatness	± 1.5 dB
	RF input level	88 dBμV ± 2 dBμV (per transponder)
	DC feeding for external, switchable	10 V - 20 V 100 mA max.
	OMI (Terr.TV 8 channels)	7 %
<b>RF test output</b>	RF IN (wideband)**, output level	62 dBμV ± 2 dB dBμV
	Terr.TV IN loss	-23 dB ± 2 dB
	return loss/impedance	> 12 dB / 75 Ω
	flatness	± 1.5 dB
<b>Optical output</b>	parameters of laser	see ordering information*
	return loss	> 45 dB
<b>Supply voltage</b>		10 V - 20 V
<b>Power consumption without external load</b>		2 W
<b>Operating temperature range</b>		-20° ÷ + 50° C
<b>Dimensions/Weight (packed)</b>		116x84x25.5 mm/0.28 kg

\* ordering information:

Type	Power	Laser	Wavelength	Connector IN	Ordering number
M0001 6F31 F	6 dBm	FP	1310 nm	FC/APC	03806
M0001 6D55 F	6 dBm	DFB	1550 nm	FC/APC	03809
M0001 6F31 H	6 dBm	FP	1310 nm	SC/APC	13801
M0001 6D55 H	6 dBm	DFB	1550 nm	SC/APC	13802

Lasers with other optical wavelength are supplied by MOQ request.

\*\* RF input, 30 SAT IF transponders, AGC range