



19" system headend RMH3000* Optical transmitter

- compact DFB cooled laser transmitter
- automatic thermo-cooler control for constant laser temperature
- input signal level measurement
- user selectable automatic/manual RF level control
- AGC circuit for constant laser loading
- various output powers available
- connectors:
RF input and test - F female
CMH data bus extension ports - 4P4C



Technical specifications	
T Y P E	MOS211A
Ordering number	02838A
Optical power	6 dBm (8, 10... dBm under request**)
Type of laser	DFB
Modulation type	direct
Optical wave length	1310 ± 10 nm
RF frequency range	47-862 MHz
RF input level	75...90 dBμV
Relative intensity noise RIN	< -155 dB/Hz
Intermodulation distortion CSO***	> 60 dB
Intermodulation distortion CTB***	> 65 dB
Carrier/noise ratio C/N***	> 51 dB
AGC range	± 5 dB
Gain adjustment, by 1 dB step pr.	15 dB
Slope adjustment control, by 1 dB step pr.	10 dB
Optical connector	SC/APC
Power consumption	187-250V~ 50 Hz 17 W
Operating temperature range	0° ± + 50° C
Dimensions/Weight (packed)	485x58.5x171 mm/3.8 kg

* detailed description of RMH3000 headend on page 61

** optical power:

MOS211	A	B	C	D	E	F
dBm	6	8	10	12	13	14
mW	4	6	10	16	20	25

*** CENELEC 42 channels, level of receiver input optical power - 0 dBm

pr. software control