



CATV range equipment

19" optical transmitter 1310 nm

- 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
- advanced predistortion circuitry
- all parameters are controlled via CMH data bus
- integrated LCD control panel and keyboard
- connectors:
RF input and test - type F
optical - SC/APC
CMH data bus extension ports - 4P4C



Technical specifications

T Y P E	MOS211A	MOS211B	MOS211C	MOS211D	MOS211E	MOS211F
Ordering number	02838A	02838B	02838C	02838D	02838E	02838F
Optical power	6 dBm (4 mW)	8 dBm (6 mW)	10 dBm (10 mW)	12 dBm (16 mW)	13 dBm (20 mW)	14 dBm (25 mW)
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*	> 62 dB					
Intermodulation distortion CTB*	> 65 dB					
Carrier/noise ratio C/N*	> 51 dB					
AGC range	± 5 dB					
Gain adjustment	15 dB by 0.5 dB step pr.					
Slope adjustment control	10 dB by 0.5 dB step pr.					
Power consumption	187-250V~ 50/60 Hz 10 W					
Operating temperature range	0° ÷ + 50° C					
Dimensions/Weight (packed)	485x58.5x171 mm/3.8 kg					

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

pr. software control

