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As a novelty for solid state lasers emitting in the visible red spectrum, the MPR-systems provide output powers of 5, 10, 20 or 50 mW at a wavelength of 671 nm. These systems are in competition to the normally utilized diode laser modules in this wavelength region. This technology exhibits not only superior output power compared to diode lasers but the beam quality is also outstanding. These systems are a real alternative for high power red applications. The systems are provided complete with factory calibrated power supply.

Laser	MPR-5	MPR-10	MPR-20	MPR-50
Wavelength	671 nm			
Output power	5 mW	10 mW	20 mW	50 mW
Operating mode	CW			
Transversal mode structure	TEM00			
Spektral composition	multi mode			
Beam diameter	1 mm			
Divergence	< 1 mRad			
Pointing stability	0.2 mRad/ hr.			
Polarisation	> 100 : 1			
Power stability	< 5%/ 4hrs.			
Noise	10 %			
Operating temperature	+ 15° - + 35° C			
Warm up time	< 15 min.			
Warranted lifetime	>3000 hrs.			
Average lifetime	>5000 hrs.			
Laser head dimensions	180.8 × 73 × 46.2 mm			
Power supply dimensions	206 x 137 x 75 mm			
Mains supply	100/ 240 VAC			
Power consumption	55 VA			

