



PMA05(635-5)G55B1

SKU / Spec Number: E242

DESCRIPTION

Power Technology, Inc.'s PMA is a rugged, high-quality diode laser module that emulates an analog input signal by varying its optical output power. The PMA supports analog beam modulation from CW to 20MHz with bias currents from 0 to 200mA and modulation currents from 0 to 100mA. A benefit of analog modulation is that it allows users to adjust a laser's output to a desired level from 0 to 100%, providing added versatility and control. The PMA offers a variety of wavelength choices ranging from 635nm to 1600nm. The module is fully self-contained with drive and control electronics, laser diode, and a high-quality aspheric lens that yields a collimated beam. A 6-pin connector allows for DVM compatible monitoring of the module's parameters. In addition, the compact PMA— which measures only one inch in diameter and approximately three inches in length—promotes easy integration into your existing or emerging application. In fact, Power Technology, Inc.'s PMA is the perfect solution for any number of applications, including fluorescence, testing, and medical and biomedical procedures.

SPECIFICATIONS

Wavelength (nm)	635	Beam Pointing Stability	<10
Wavelength Tolerance	+/-10nm	Operating Mode	Digital Modulation
Power	5	Modulation Signal	Digital
Power Units	mW	Modulation Input Voltage (VDC)	0-5
Noise RMS(10Hz-5MHz)	<0.5%	Modulation Input Impedance	50 Ohms AC
Color	Red	Propagation Delay (ns)	20
Beam Shape	Circular, Elliptical	Operating Voltage	5 ±0.5
Default Optical Configuration	Focused at 5 feet	Operating Voltage Units	VDC
User Focusable	Yes	Module Dimensions (In / mm)	1.0 x 2.0
Polarization Ratio	Typ >100:1	Product Weight (lbs.)	0.12
Polarization State	Linear	Platform	PMA