MISFIT PHOTONICS

D5 Laser Specification

System Performance	Model	D5
	wavelength	10.6μm
	Rated output power	5W
	Power stability	< ±15% , < ±3%@（2-3W）
	Beam quality	M^2 < 1.2
	Beam diameter	2.3±0.5mm
	Beam divergence angle	8.0 mrad Full Angle
	Ellipticity	< 1.2:1
	Polarization	random
	Operating frequency and duty cycle	0～25KHZ，0～100%DC
specification and use condition	weight	9.0lbs
	Dimensions L*W*H	12.5×3.1×5.5 inches
	Input voltage	30VDC±5%, Maximum average current:4.0A
	Heat load	< 150W
	Maximum case temperature	< 60℃
	Ambient temperature during operation	5℃～40℃
	humidity	Non-condensing
	Shipping and storage environments	－10℃～60℃non-condensing

1）The laser power is measured at a laser temperature of 25° C, and the output power decreases by about 1% for every 1° C increase above 25° C

1. Stability definition: ± (Pmax-Pmin)/(2Pmax), Stability test conditions: 10 minutes of preheating after start-up, constant control of duty cycle, normal operation environment.

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