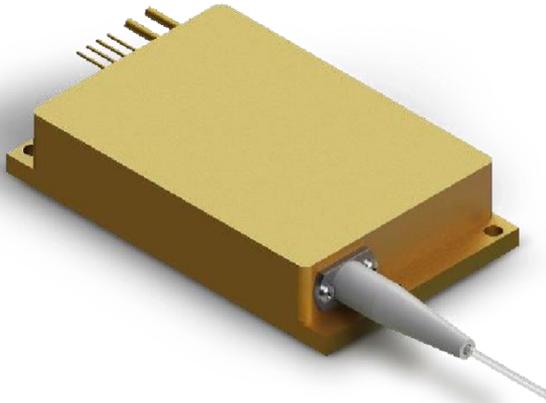


808nm 60W Fiber Coupled Laser Diode

K808DA5RN-60.00W



Features:

- 808nm wavelength
- 60W output power
- 105 μ m fiber core diameter
- 0.22 NA
- 1020nm~1200nm feedback protection

Applications:

- Solid-state laser pumping
- Medical application
- Material processing

Specifications (25°C)		Symbol	Unit	K808DA5RN-60.00W		
				Minimum	Typical	Maximum
Optical Data ⁽¹⁾	CW Output Power	P _o	W	60	-	-
	Center Wavelength	λ_c	nm	808 \pm 3		
	Spectral Width (FWHM)	$\Delta\lambda$	nm	-	6	-
	Wavelength Shift with Temperature	$\Delta\lambda/\Delta T$	nm/°C	-	0.3	-
Electrical Data	Electrical-to-Optical Efficiency	PE	%	-	45	-
	Threshold Current	I _{th}	A	-	1.5	-
	Operating Current	I _{op}	A	-	9	11
	Operating Voltage	V _{op}	V	-	-	16
	Slope Efficiency	η	W/A	-	7	-
Fiber Data	Core Diameter	D _{core}	μ m	-	105	-
	Cladding Diameter	D _{clad}	μ m	-	125	-
	Numeric Aperture	NA	-	-	0.22	-
	Fiber Length	L _f	m	-	2.0	-
	Fiber Loose Tubing Diameter	-	mm	-	3.0	-
	Minimum Bending Radius	-	mm	50	-	-
	Fiber Termination	-	-	SMA905		
Feedback Isolation	Wavelength Range	-	nm	1020~1200		
	Isolation	-	dB	-	30	-
Others	ESD	V _{esd}	V	-	-	500
	Storage Temperature ⁽²⁾	T _{st}	°C	-20	-	70
	Lead Soldering Temp	T _{is}	°C	-	-	260
	Lead Soldering Time	t	sec	-	-	10
	Operating Case Temperature ⁽³⁾	T _{op}	°C	15	-	35
	Relative Humidity	RH	%	15	-	75

(1) Data measured under operation output at 60W@25°C.

(2) A non-condensing environment is required for operation and storage.

(3) Operating temperature defined by the package case. Acceptable operating range is 15°C~35°C, but performance may vary.

