

NDV1742-02

- Optical Output Power: Pulse 50mW
- Can Type: $\phi 3.8$ Floating Mounted
- Peak Wavelength: 405nm

Item		Symbol	Absolute Maximum Ratings	Unit
Optical Output Power	CW	P _{oc}	50	mW
LD Reverse Voltage		V _r (LD)	2	V
Storage Temperature		T _{stg}	-40 ~ 85	°C
Operating Case Temperature		T _c	-10 ~ 80	°C

Item		Condition	Symbol	Min	Typ.	Max	Unit
Optical Output Power		CW	P _o	-	-	35	mW
Peak Wavelength*		P _o =20mW	λ _p	400	405	410	nm
Threshold Current		CW	I _{th}	-	16	25	mA
Operating Current		P _o =20mW	I _{op}	-	30	70	mA
Slope Efficiency		CW	η	0.9	1.3	1.8	W/A
Operating Voltage		P _o =20mW	V _{op}	-	4.4	5.5	V
FWHM Beam Divergence*		P _o =20mW	θ//	7.0	9.0	12	deg.
			θ⊥	15	19	23	deg.
Emission Point Accuracy	Angle	P _o =20mW	Δθ//	-2.0	-	2.0	deg.
			Δθ⊥	-2.5	-	2.5	deg.

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