

HCSE-DFB Laser Diodes ($\lambda = 1300 \text{ nm}$)

Surface emitting, horizontal cavity InP Lasers

Capable for uncooled operation

Specifications	min.	typical	max.	unit
operation temperature	0	25	90	°C
operating current		100	150	mA
threshold current (@20°C)		10	25	mA
series resistance		5	8	Ω
optical output power (@ 20°C, 100 mA)	15	20	30	mW
side mode suppression ratio (SMSR)	30			dB
emission wavelength (@20°C)	$\lambda - 1.0$	λ	$\lambda + 1.0$	nm
dλ / dT		90	150	pm/°C
dλ / dI	8		15	pm/mA
linewidth			20	MHz

Header type: SOT 4.6 can or TEC TO8 module

Emission wavelength range: 1270 – 1700 nm (on request)
 (output power characteristics can vary with wavelength)

Order information:

SPECDILAS-H-1300-GMP (SOT package)

or

SPECDILAS-H-1300-GMP-MTE (TEC TO8 package)