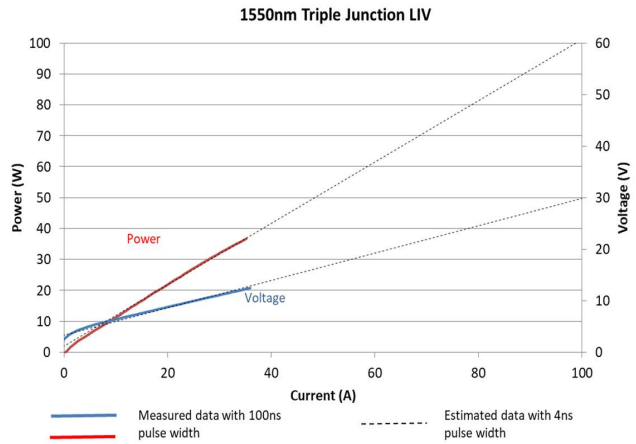
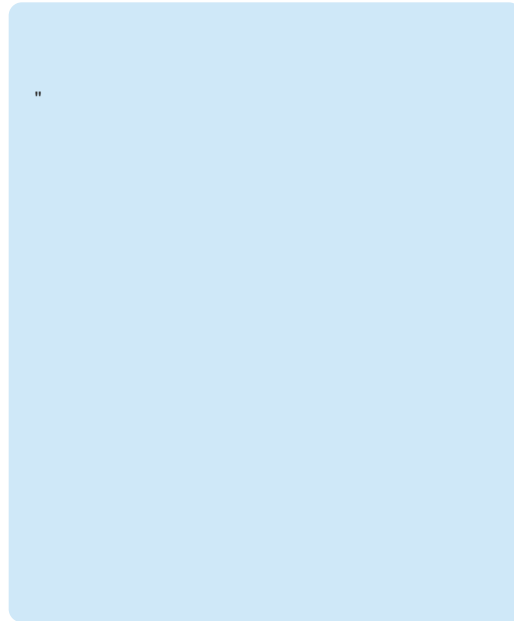
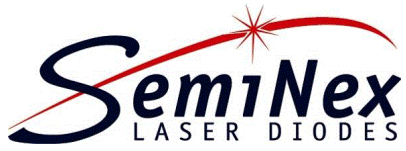


Preliminary Data Sheet



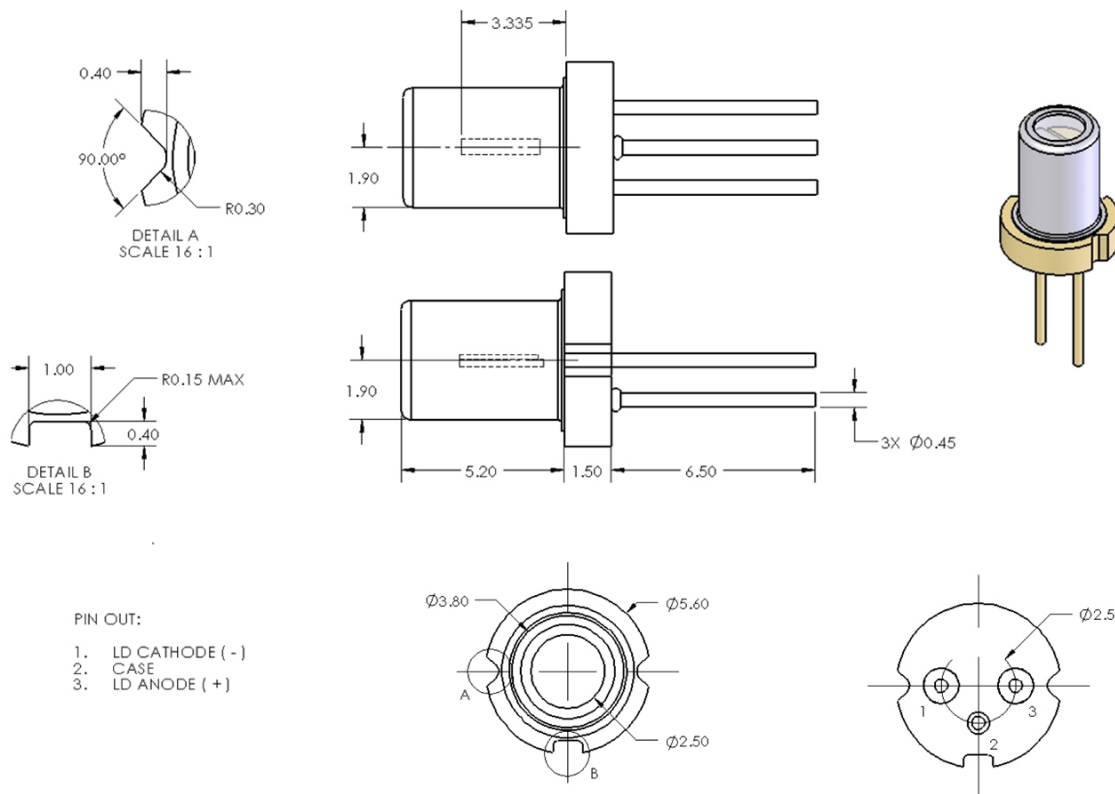


Triple Junction TO56



	Symbol	TO56x-266	Units
Optical			
Wavelength	λ_c	1550	nm (± 20)
Output Power (<10ns)	P_o	100.00	watts ($\pm 10\%$)
Output Power (150ns)	P_o	52.00	watts ($\pm 10\%$)
Cavity Length (typ.)	CL	2500	μm
No. of Junctions		3	
Emitter Width	W	180	μm
Emitter Height	H	10	μm
Operating Current (<10ns)	I_{op}	100	A
Operating Current (150ns)	I_{op}	56	A
Operating Voltage	V_{op}	24	V
Threshold Current	I_{th}	1	A
Specifications			
Spectral Width	$\delta\lambda$	22	nm 3dB
Fast Axis Div.	Θ_{perp}	28	deg FWHM
Slow Axis Div.	$\Theta_{parallel}$	12	deg FWHM
Pulse Width	PW	150	ns
Duty Cycle	DC	0.1	%
Mechanical			
Weight		0.5	g
Operating Temp.**		-40 to 85	$^{\circ}\text{C}$
Storage Temp.		-40 to 85	$^{\circ}\text{C}$

Specified values are rated at a constant heat sink temperature of 20°C. **Specified operating conditions are based on 20C heat sink temperature. High temperature operation will reduce performance and MTTF. Unless otherwise indicated all values are nominal. All TO56 products are capped. Capped TO56 specifications assume heatsinking only on flat surface where pins extend.



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