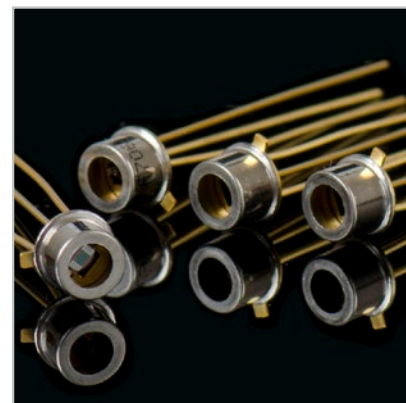


DLS200E0808

Thermal Emitter

Device Characteristics

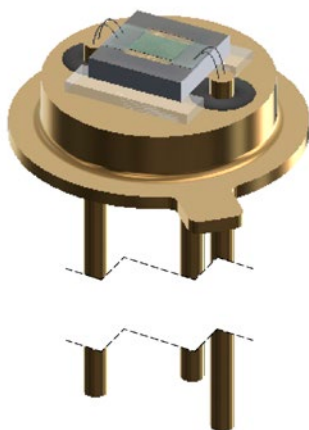
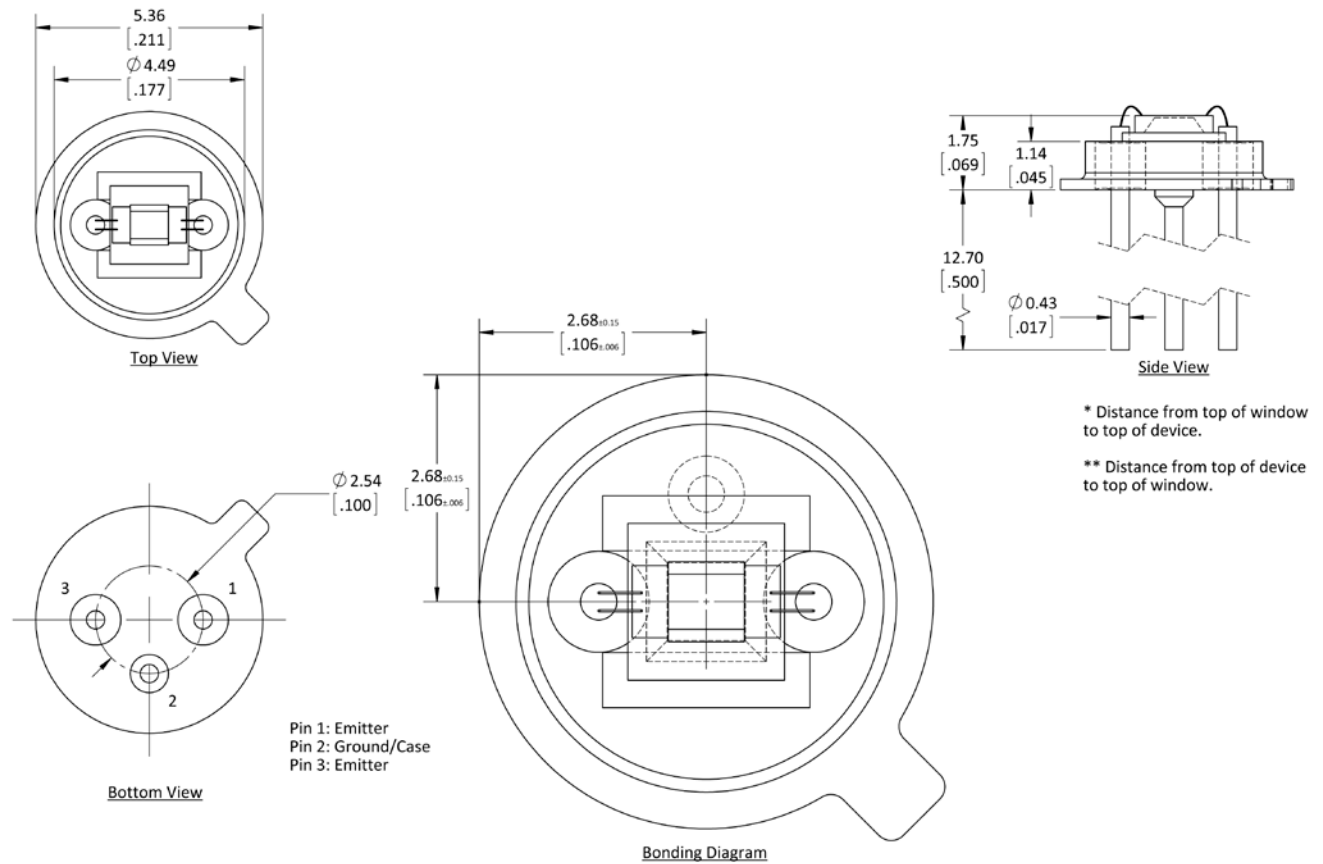
Parameter	Condition	Min	Typ	Max	Unit
Heated Membrane Area		-	0.85 x 0.65	-	mm ²
Drive Voltage	Peak	2.8	3.0	3.2	V
Drive Current	Peak	63	66	71	mA
Drive Power	Peak	-	200	-	mW
Modulation Depth (230 mW; Peak-Peak)	1 Hz	-	100	-	%
	10 Hz	-	98	-	%
	50 Hz	-	51	-	%
	100 Hz	-	26	-	%
	200 HZ	-	12	-	%
Emissivity	2-14 μm	-	0.80	-	
Spectral Range		2.5	-	20	μm
Thermal Time Constant (650 mW Drive)	Rise	-	18	-	ms
	Fall	-	7	-	ms
Average Lifetime (10 Hz; 50% Duty cycle)	200 mW	-	>5000	-	Hrs



Measured Characteristics

Parameter	Condition	Min	Typ	Max	Unit
Resistance	700°C	40	45	50	Ohm
Operating Temperature	200 mW	-	700	-	°C

$T_a = 22^\circ\text{C}$



Ordering designation: DLS200E0808S4i

Product Changes

LASER COMPONENTS reserves the right to make changes to the product(s) or information contained herein without notice. No liability is assumed as a result of their use or application.

Ordering Information

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