

940 nm VCSEL FLOOD ILLUMINATION MODULE

I940-2902-G01

Coherent's multimode high-power VCSEL flood illuminators are designed to meet stringent specifications for a broad range of optical 3D sensing applications. This product is optimized for high-volume consumer and automotive applications. Two anode pads allow reduction of impedance to enable short rise and fall times for direct time of flight (dTOF).



FEATURES

- High efficiency and reliability
- Multitransverse-mode emission
- FOI 60°x45° or 110°x85° (batwing profile)
- Non-hermetically sealed
- SMT QFN package
- MSL level-3
- Available in high volume

APPLICATIONS

- Time-of-flight (ToF) 3D sensing
- Gesture recognition
- Access control
- Illumination for DMS/OMS
- Industrial automation

940 nm VCSEL FLOOD ILLUMINATION MODULE

Product Description

Parameter 25 °C, 1 ms pulse, 1% duty cycle	Typical	Unit
Operating Current	6.0	A
Operating Power	5.0	W
Operating Voltage	2.2	V
Power Conversion Efficiency	39	%
Chip Mechanical Dimensions	2.4 x 3.3 x 1.2	mm ²

