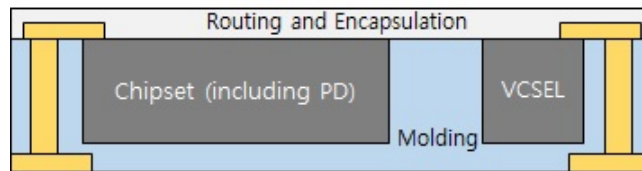


## Products

# Optical Engines for Sensors



## Optical Engine for Proximity Sensor

The optical engine for proximity sensor integrates ICs including VCSEL and photodiode necessary to detect a nearby object. It has the thinnest form factor in the world because it does not require wire bonding for electrical connections. It is optimized for smartphones and TWS (True Wireless Stereo).

Parameter	Value	Note
Laser Optical Power	10 mW	
Laser Emitter Number	3	-
Laser Divergence Angle	22 deg.	If = 15 mA (Full Width, 1/e <sup>2</sup> ), Room temp
Tx Package Size	2.0 × 1.3 × 0.270 mm <sup>3</sup>	-
Sensor Active Area	220 um x 220 um	-
Sensing Distance	2 ~ 5 cm	-
Center Wavelength	940 nm	-
Laser Type	VCSEL	-
Detector Type	PIN PD	-
Data Sheet	-	Provided on customer's request
Test Result	-	Provided on customer's request



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