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Data Sheet

Preliminary

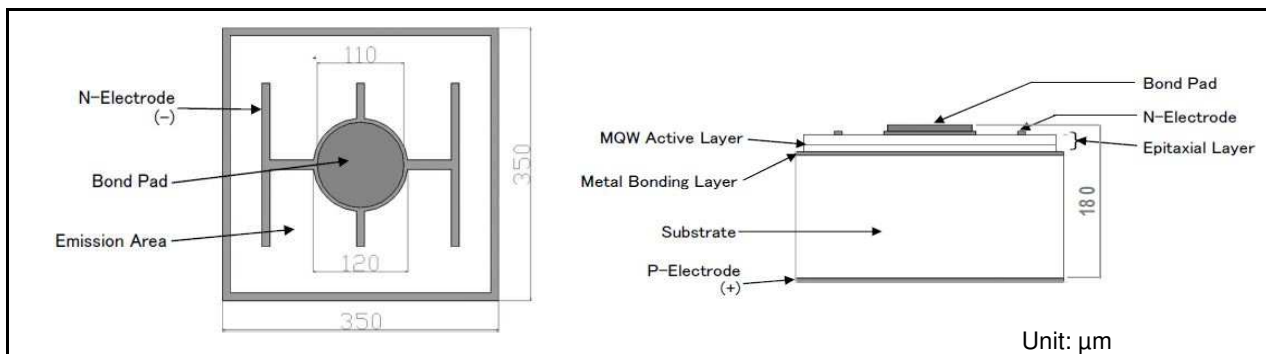
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Infrared LED Chip

EOLC-1720-27

Rev. 01, 2021

Radiation	Type	Electrodes
Infrared	InGaAs - based material, MQW	n (cathode) up



Die size (typ.): 0.350 mm × 0.350 mm (14 mil)

Thickness (typ.): 0.180 mm (7 mil)

Bond pad size: Ø 0.110 mm (periphery = Ø 0.120 mm)

Contact metallization: gold alloy

Maximum Ratings

T_{amb} = 25°C, unless otherwise specified

Parameter	Test conditions	Symbol	Value	Unit
Forward current		I _F	100	mA
Reverse voltage		V _R	5	V

Optical and Electrical Characteristics

T_{amb} = 25°C, unless otherwise specified

Parameter	Test cond.	Symbol	Min	Typ	Max	Unit
Forward voltage	I _F = 20 mA	V _F		0.8		V
Radiant power*	I _F = 20 mA	Φ _e		1.8		mW
Peak wavelength	I _F = 20 mA	λ _p	1670	1720	1770	nm

*Measured on bare chip on TO-18 gold stem without resin coated

Art. No. 131 178



We reserve the right to make changes to improve technical design and may do so without further notice. Parameters can vary in different applications. All operating parameters must be validated for each customer application by the customer.