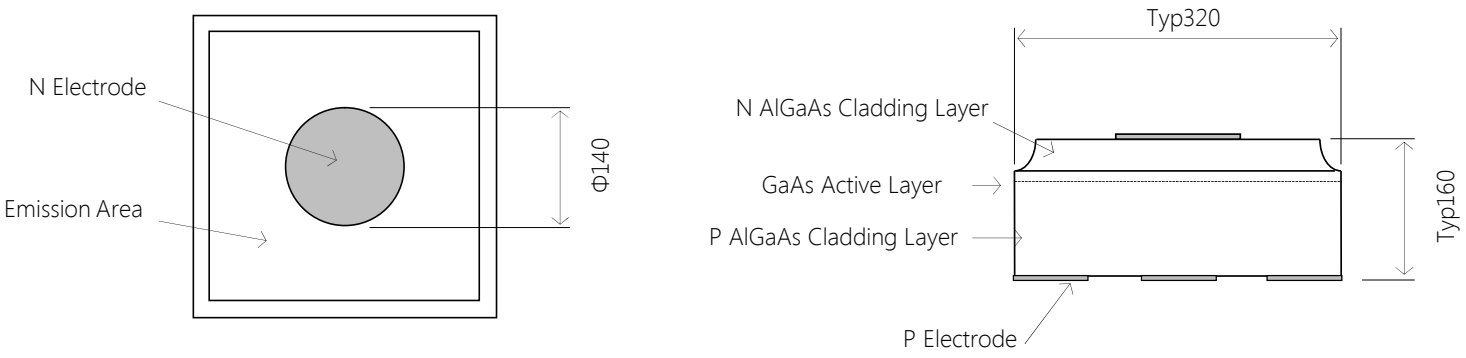
Marktech Optoelectronics

LED Chip Infrared

Product No: **OPC8700-32**

Radiation	Type	Electrodes
rar d	AlGaAs	(cathode) up



h ca haract r t c tr ct r

Material: AlGaAs

Junction Size: 320um x 320um

Thickness: 160um

Bond Pad Size: 140um diameter

Anode Metalization: Gold Alloy

Cathode Metalization: Gold Alloy

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ITEMS	SYMBOL	CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	Vf	If=20mA	--	--	1.6	V
Reverse Voltage	Vr	Ir=10uA	5	--	--	V
adiant Po er	Φe	20 A	3.5			
Pea avelengt	p	20 A	850	870	900	n
pectral and idt		20 A		45		n
Rise Time	Tr	Ifp=100mA Tw=125ns, Duty=25%	--	20	--	ns
Fall Time	Tf	Ifp=100mA Tw=125ns, Duty=25%	--	20	--	ns
Peak Forward Voltage	Vfm	Ifp=400mA Tw=100us, Duty=10%	--	2.2	--	V

LE c ip is o nted on T 1 gold eader it o t resin coated

Absolute Maximum Ratings a

Contin o s Ma i or ard C rrent 100 A C

everse oltage 10 A

torage Te perat re

ile on ylar e rane 0 to 40 ºC

a ter re oval ro ylar e rane 30 to 100 ºC

RoHS COMPLIANT

Pb Pb-Free

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.