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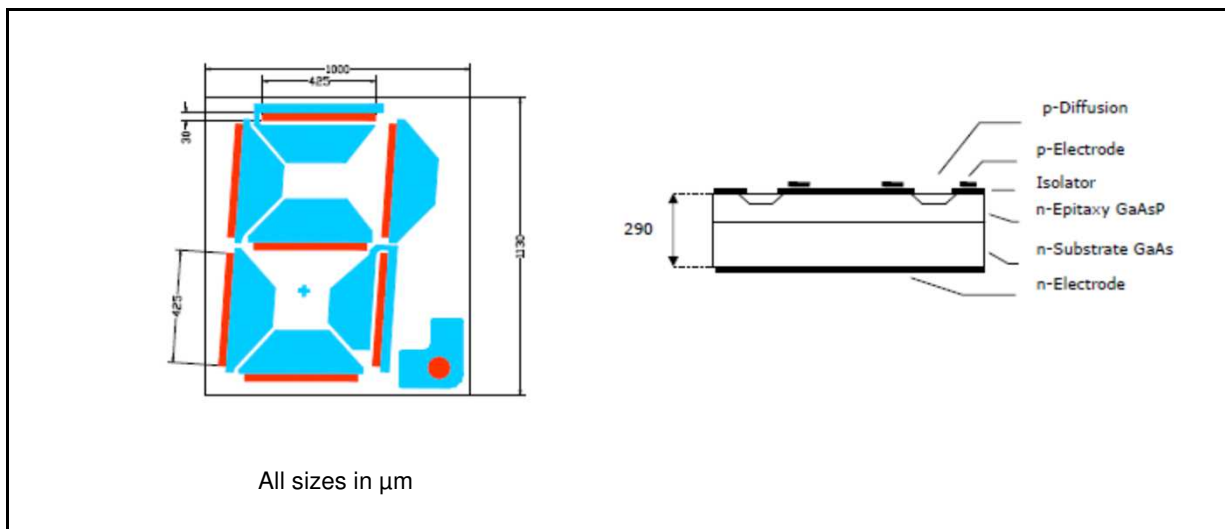
Data Sheet

LED Display Chip

EODC-660-19-01

Rev. 03, 2017

Radiation	Type	Electrodes
Red	GaAsP/GaAs, diffusion type	p (anode) up



Optical and Electrical Characteristics

$T_{\text{amb}} = 25^\circ\text{C}$, unless otherwise specified

Parameter	Symbol	Cond.*	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F=5 \text{ mA}$		1.7	1.9	V
Forward voltage	V_F	$I_F=20 \text{ mA}$		1.8	2.1	V
Reverse voltage	V_R	$I_R=100 \mu\text{m}$	5		100	V
Luminous intensity	I_F	$I_F=5 \text{ mA}$	60	85		μcd
Luminous intensity	I_F	$I_F=20 \text{ mA}$	280	400		μcd
I_v ratio segment to segment		$I_F=20 \text{ mA}$			1.75	
I_v ratio to adjacent chip					2	
Peak wavelength	λ_p	$I_F=20 \text{ mA}$	650	660	670	nm
Spectral bandwidth at 50%	$\Delta\lambda_{0.5}$	$I_F=20 \text{ mA}$		17		nm

*Current for one segment

Packing

Dice on adhesive film with wire-bond on top

Art. No. 115 001



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.