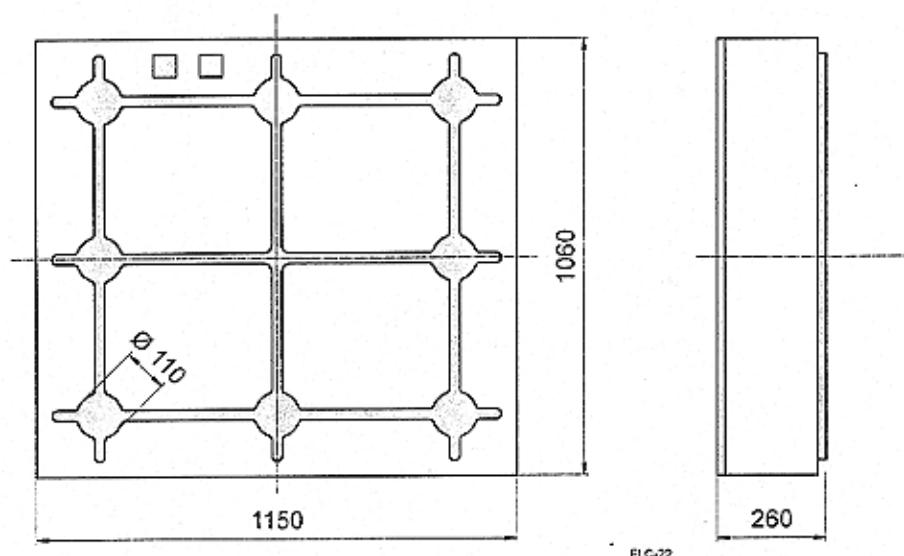


Color	Type	Technology	Electrodes
Red	ELC-685-29-2	AlGaAs/AlGaAs DDH	N (cathode) up

Outline (dimensions in microns)



Optical and Electrical Characteristics

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

Parameter	Test conditions	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F = 20 \text{ mA}$	V_F		1.65	2.0	V
Forward voltage	$I_F = 50 \text{ mA}$	V_F		1.7	2.1	V
Reverse voltage	$I_R = 10 \mu\text{A}$	V_R	5			V
Radiant power	$I_F = 20 \text{ mA}$	Φ_e		1.8		mW
Radiant power	$I_F = 50 \text{ mA}$	Φ_e		4.8		mW
Luminous flux*	$I_F = 20 \text{ mA}$	Φ_v		44		mlm
Luminous flux*	$I_F = 50 \text{ mA}$	Φ_v		86		mlm
Peak wavelength	$I_F = 50 \text{ mA}$	λ_p		685		nm
Spectral bandwidth at 50%	$I_F = 50 \text{ mA}$	$\Delta\lambda_{0.5}$		40		nm
Switching time	$I_F = 50 \text{ mA}$	t_r, t_f		45/35		ns

*Packaged in TO-18 housing with epoxy resin cap

Labeling

Type	Lot N°	Φ_e (typ, min, max)	Quantity
ELC-685-29-2			

Packing

Chips on adhesive film with wire-bond side on top