♦ SUPER BRIGHT BLUE (InGaN)

ABSOLUTE MAXIMUM RATING AT Ta=25℃

Parameter	Symbol	Super Bright Blue
Power dissipation per dice	P_{AD}	120
Continuous forward current per dice	I_{AF}	30
Peak current per dice (duty cycle 1/10, 1kHz)	I_{PF}	100
Reverse voltage per dice	V_R	5
Operating temperature	T_{OPR}	-40°C to +105°C
Storage temperature	T_{STG}	-40°C to +105°C

ELECTRICAL – OPTICAL CHARACTERISTICS AT Ta=25°C

Characteristic		Symbol	Condition	Min.	Type	Max.	Unit
Forward Voltage		V_F	I_F=20mA	2.7	2.85	3.0	V
Reverse Current		I_R	V_R=5V	-	-	10	μA
Peak Wavelength		λ_P	I_F=20mA	-	465	-	nm
Dominant Wavelength		λd	I_F=20mA	450	465	480	nm
Luminous Intensity	Per segment	I_V	I_F=20mA	10	30	40	mcd
	Per Decimal Point			-	-	-	
Spectrum Radiation Bandwidth		$\Delta\lambda$	I_F=20mA	-	30	-	nm