

◆ SUPER BRIGHT YELLOW (AlGaInP/GaAs)

ABSOLUTE MAXIMUM RATING AT Ta=25°C

Parameter	Symbol	Super Bright Yellow
Power dissipation per dice	P_{AD}	70
Continuous forward current per dice	I_{AF}	25
Peak current per dice (duty cycle 1/10, 1kHz)	I_{PF}	90
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	$I_F=20mA$	-	2.05	2.4	V
Reverse Current		I_R	$V_R=5V$	-	-	10	μA
Peak Wavelength		λ_p	$I_F=20mA$	-	587	-	nm
Dominant Wavelength		λ_d	$I_F=20mA$	581	585	589	nm
Luminous Intensity	Per segment	I_V	$I_F=20mA$	-	-	-	mcd
	Per Decimal Point			-	-	-	
Spectrum Radiation Bandwidth		$\Delta\lambda$	$I_F=20mA$	-	15	-	nm