



CSM-57111D/57121D
GENERAL SPECIFICATIONS

Absolute Maximum Ratings (TA = 25)

Parameter	Symbol	Super-Bright Red (DH)	Unit
Power dissipation per dice	PAD	75	mW
Derating Liner from 25 per dice	-	0.42	mA/
Continuous forward current per dice	IAF	30	mA
Peak current per dice (duty cycle 1/10, 1kHz)	IPF	200	mA
Reverse voltage per dice	VR	5	V
Operating temperature	Topr	-25 to +85	
Storage temperature	Tstg	-25 to +85	
Solder temperature 1/16 inch below seating plane for 3 seconds at 250			

Electro-optical Characteristics (TA=25)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward voltage per dot	VF	IF=20mA	-	1.8	2.5	V
Luminous intensity per dot	IV	IF=20mA	-	18	-	mcd
Peak emission wavelength	p	IF=20mA	-	660	-	nm
Spectrum radiation bandwidth		IF=20mA	-	20	-	nm
Reverse current	IR	VR=5V	-	-	100	μA

Bin Grade (Unit: mcd)

Device \ Bin	U	V	W	X	Y	
Super-Bright Red (DH)	11.1~14.5	14.6~18.6	18.7~24.0	24.1~31.0	31.1~40.0	

* Tolerance : ± 20%