



CHINA
SEMICONDUCTOR
CORPORATION

CSS-314G/315G

GENERAL SPECIFICATIONS

Absolute Maximum Ratings (TA = 25 °C)

Parameter	Symbol	Yellow Green	Unit
Power dissipation per dice	PAD	70	mW
Derating Linear from 25 °C per dice	—	0.33	mA /°C
Continuous forward current per dice	IAF	25	mA
Peak current per dice (duty cycle 1/10, 1kHz)	IPF	90	mA
Reverse voltage per dice	VR	5	V
Operating temperature	Topr	-25 to +85	°C
Storage temperature	Tstg	-25 to +85	°C
Solder temperature 1/16 inch below seating plane for 3 seconds at 250 °C			

Electro-optical Characteristics (TA=25 °C)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward voltage per segment	VF	IF=20mA	-	2.1	2.8	V
Luminous intensity per segment	IV	IF=20mA	-	6.0	-	mcđ
Peak emission wavelength	λp	IF=20mA	-	570	-	nm
Spectrum radiation bandwidth	Δλ	IF=20mA	-	30	-	nm
Reverse current	IR	VR=5V	-	-	100	μA

Bin Grade (Unit: mcđ)

Dice \ Bin	O	P	Q	R		
Yellow Green	3.1~4.3	4.4~6.0	6.1~8.4	8.5~11.0		

* Tolerance is ± 20%.



98-02-A

業一部