

BW-383WT-DT

Initial Electrical/Optical Characteristics (Ta= 25°C)

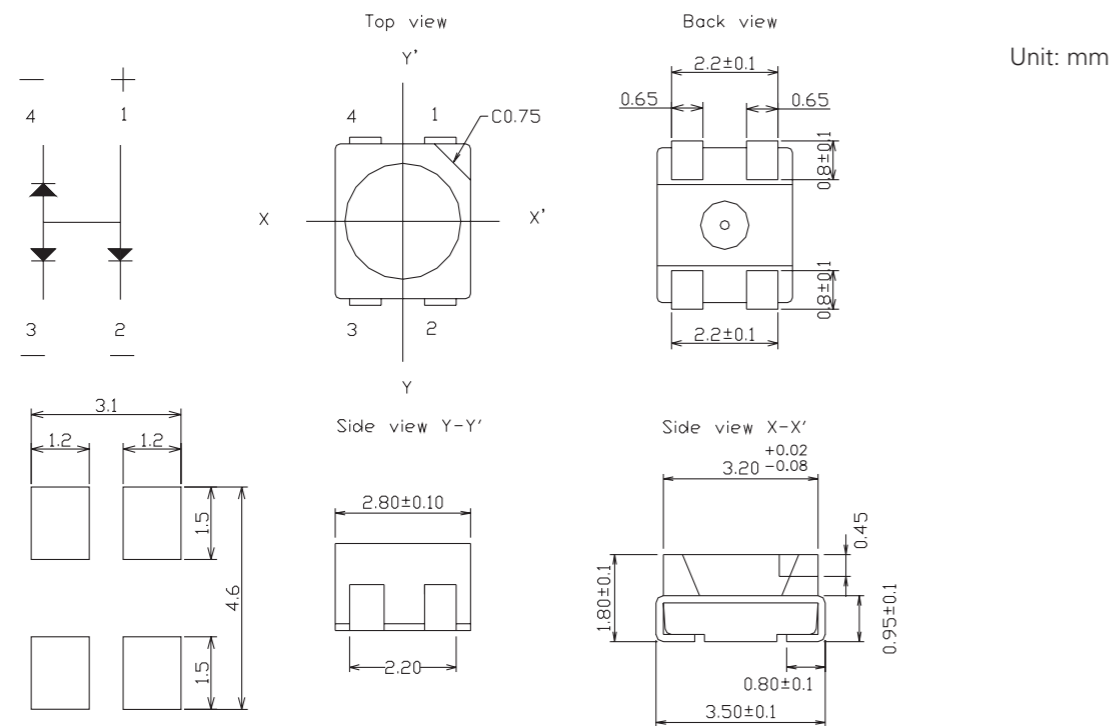
Items	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=20mA$	3.0	3.4	3.8	V
Reverse Current	I_R	$V_R=5V$	0.0	1.0	50.0	μA
Color Coordinates	x	$I_F=20mA$	0.23	0.28	0.31	
	y	$I_F=20mA$	0.25	0.29	0.33	
Luminous Intensity	I_V	$I_F=20mA$	3.0	3.2	4.5	cd
Viewing Angle	deg	$I_F=20mA$		110		deg

*The value is for one LED circuit.

**The CIE value tolerance is ± 0.005 unit.

***Luminous intensity, CIE and view angle data are the values when 3 circuits are lit simultaneously.
The luminous intensity tolerance is ± 100 mcd.

Dimension and Recommend Solder Pattern



Absolute Maximum Rating (Td= 25°C)

Series	I_F (mA)	I_{FP} (mA)	V_R (V)	T_{OP} (°C)	T_{ST} (°C)
BW-383 WT	30	100	5	-40~+80	-40~+85

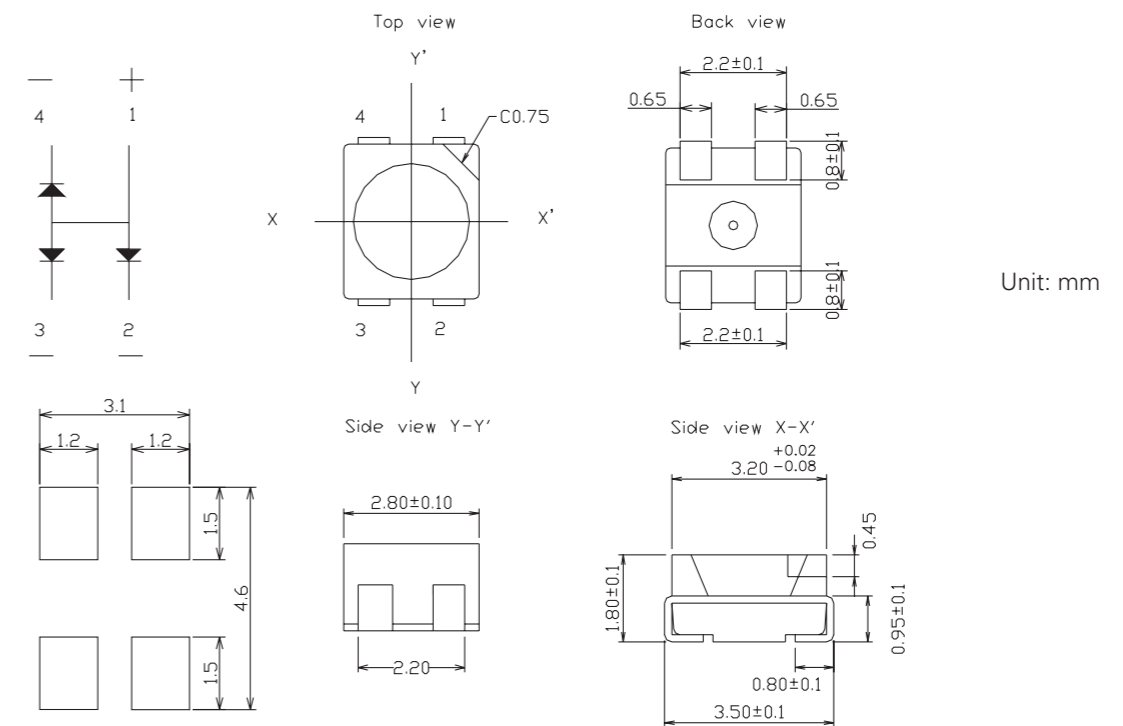
7 inch Anti-Static Reel
2000 pcs / reel

BW-383 RCGB-CT

Electro-Optical Characteristics (@20mA)

Code for Parts BW-XXXXX	Lighting Color	Material	V_F (V)		λ (nm)			I_V (mcd)	Internal Circuit
			Typ.	Max.	λ_D	λ_P	$\Delta\lambda$	Typ.	
BW-383RCGB-CT	Red	AlGaInP	1.90	2.20	624	630	18	70	
	Green	InGaN	3.20	3.60	527	525	37	182	
	Blue	GaN	3.30	3.60	472	470	25	55	

Dimension and Recommend Solder Pattern



Absolute Maximum Rating (Td= 25°C)

Series	I_F (mA)	I_{FP} (mA)	V_R (V)	T_{OP} (°C)	T_{ST} (°C)
BW-383 Series	30	80	5	-40~+80	-40~+85

*Condition for I_{FP} is pulse of 1/10 duty and 0.1 msec width

7 inch Anti-Static Reel
2000 pcs / reel