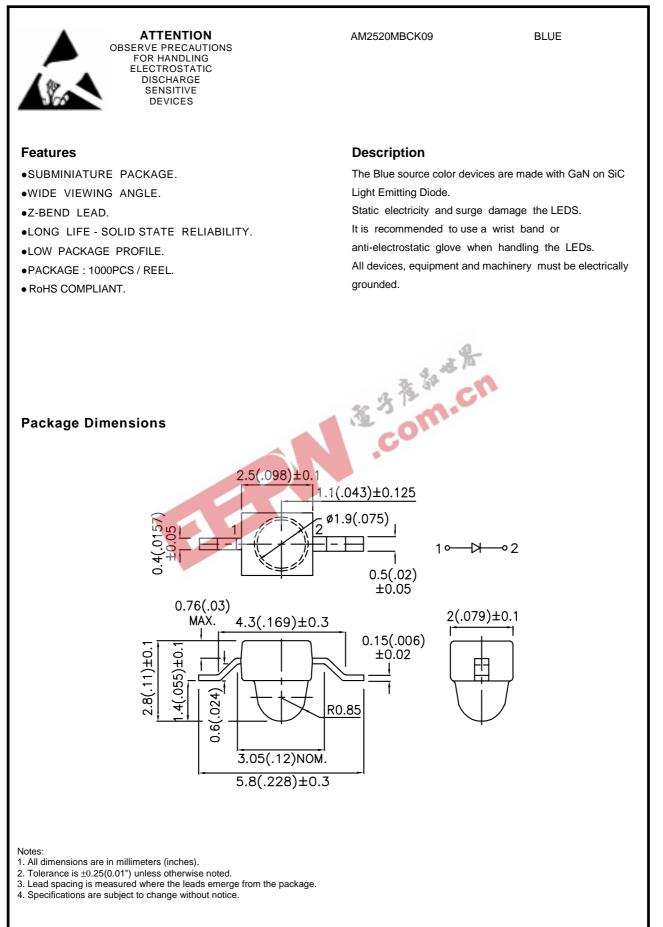
SUBMINIATURE SOLID STATE LAMP



REV NO: V.3 CHECKED: Allen Liu DATE: MAR/07/2005 DRAWN: Y.W.WANG PAGE: 1 OF 4 ERP: 1202000528

Selection Guide								
Part No.	Dice	Lens Type	lv (mcd) @ 20mA		Viewing Angle			
			Min.	Тур.	2 0 1/2			
AM2520MBCK09	BLUE (GaN)	WATER CLEAR	10	30	20°			

Note:

1. θ 1/2 is the angle from optical centerline where the luminous intensity is 1/2 the optical centerline value.

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Device	Тур.	Max.	Units	Test Conditions
λpeak	Peak Wavelength	Blue	430		nm	IF=20mA
λD	Dominant Wavelength	Blue	466		nm	IF=20mA
Δλ1/2	Spectral Line Half-width	Blue	60	a. 31	nm	IF=20mA
С	Capacitance	Blue	100	12	pF	VF=0V;f=1MHz
Vf	Forward Voltage	Blue	4.0	5.2	V	IF=20mA
IR	Reverse Current	Blue	C	10	uA	Vr = 5V

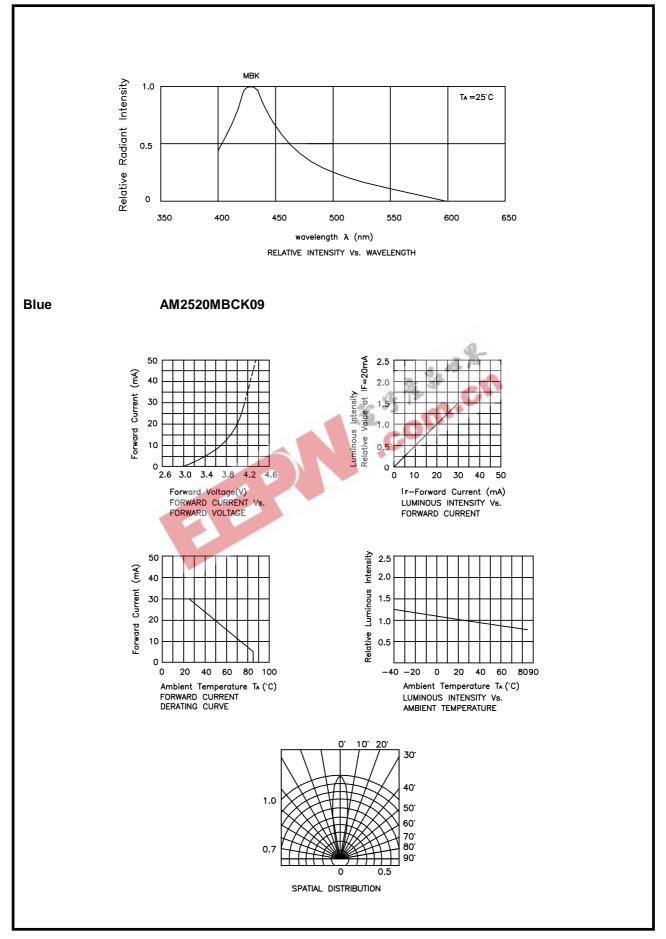


Absolute Maximum Ratings at TA=25°C

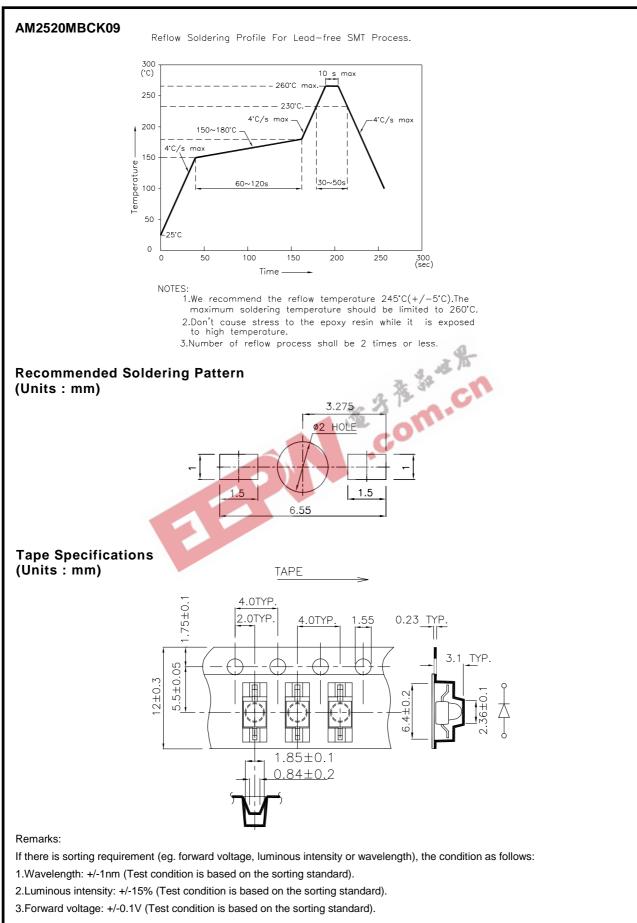
Parameter	Blue	Units	
Power dissipation	105	mW	
DC Forward Current	30	mA	
Peak Forward Current [1]	150	mA	
Reverse Voltage	5	V	
Operating / Storage Temperature	e -40°C To +85°C		

Note:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.



SPEC NO: DSAD1293 APPROVED: J. Lu REV NO: V.3 CHECKED: Allen Liu DATE: MAR/07/2005 DRAWN: Y.W.WANG PAGE: 3 OF 4 ERP: 1202000528



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