L.C. LED
Lighting Components LED Corp

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White Dot Matrix LED – 8x8 2.3" Display

Absolute Maximum Rating (Ta = 25°C)

PARAMETER	MAXIMUM RATING	UNITS
Power Dissipation per Dot	40	mW
DC Forward Current per Dot	20	mA
Reverse Voltage per Dot (I_R = 10μA)	5	V
Peak Pulse Forward Current per Dot (1)	100	mA
Operating Temperature	-40 to +80	°C
Storage Temperature	-40 to +100	°C

(1) Pulse conditions of 1/10 duty and 0.1msec width, for long operating life, max. of 20mA recommended
(2) Solder Temperature of 1/16" Below Seating Plane for 5 Seconds at 260°C

Electro-optical Characteristics (Ta = 25°C)

PARAMETER	SYMBOL	CONDITIONS	MIN.	TYP.	MAX.	UNIT
Forward Voltage per Dot	V_F	I_F = 20mA		3.3	3.8	V
Reverse Current per Dot	I_R	V_R = 5V			40	μA
Chromaticity Coordinate	x	I_F = 20mA		0.31		
	y	I_F = 20mA		0.32		
Luminous Intensity	I_V	I_F = 20mA		35		mcd
Luminous Intensity Matching Ratio	Iv-m	I_F = 20mA	2:1