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DATA SHEET

PART NO. : A-5570SR

REV : A/ 1

CUSTOMER'S APPROVAL : _____

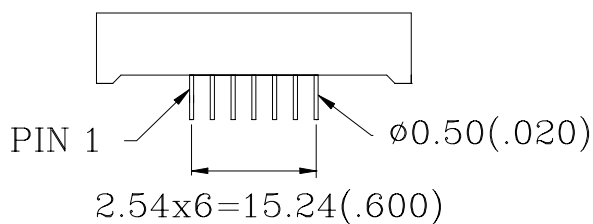
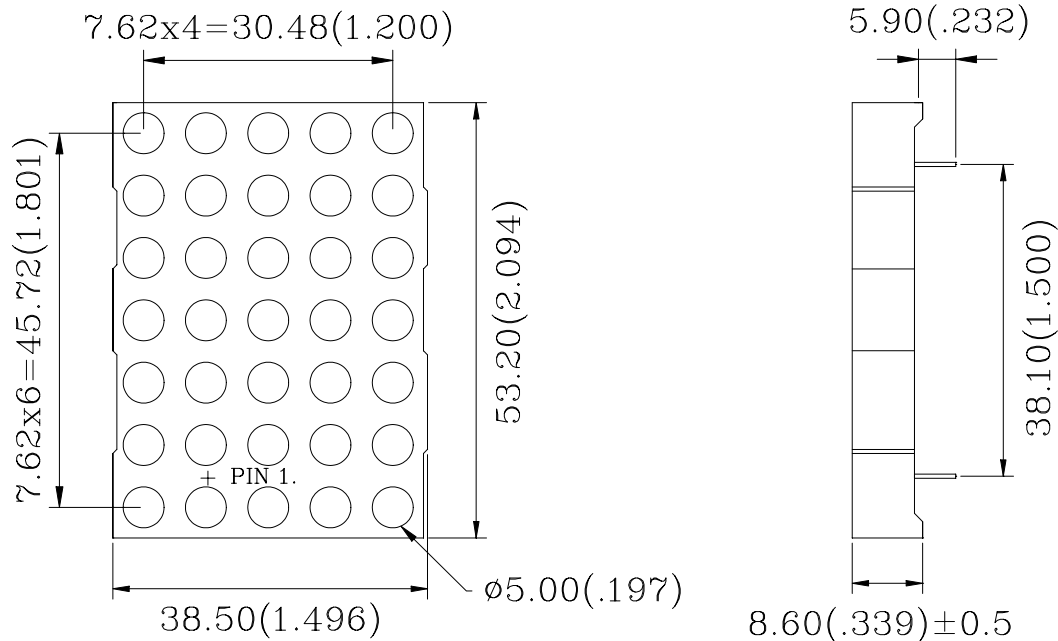
DCC : _____

DRAWING NO. : DS-16-02-0083

DATE : 2002-08-22

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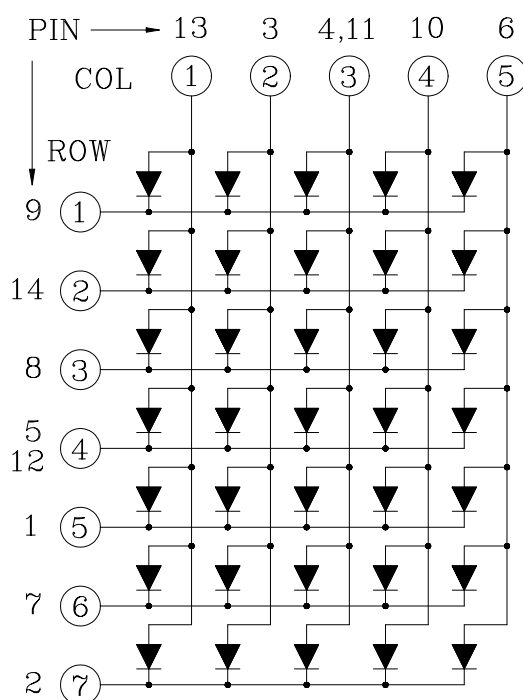
PACKAGE DIMENSIONS



	COL	1	2	3	4	5
ROW 1		○	○	○	○	○
2		○	○	○	○	○
3		○	○	○	○	○
4		○	○	○	○	○
5		○	○	○	○	○
6		○	○	○	○	○
7		○	○	○	○	○

- NOTES : 1. All dimensions are in millimeters. (inches)
 2. Tolerance is $\pm 0.25 (0.010")$ unless otherwise specified.

TYPICAL INTERNAL EQUIVALENT CIRCUIT



A-5570SR									
PIN NO		FUNCTION			PIN NO		FUNCTION		
1		Cathode	Row	5	8		Cathode	Row	3
2		Cathode	Row	7	9		Cathode	Row	1
3		Anode	Column	2	10		Anode	Column	4
4		Anode	Column	3	11		Anode	Column	3
5		Cathode	Row	4	12		Cathode	Row	4
6		Anode	Column	5	13		Anode	Column	1
7		Cathode	Row	6	14		Cathode	Row	2

FEATURES

- * 53.20mm (2.0 inch) MATRIX HEIGHT
- * 5x7 ARRAY WITH X-Y SELECT
- * LOW POWER , HIGH CONTRAST & BRIGHTNESS
- * MATRIX ORIENTATION OF ANODE COLUMN AND CATHODE ROW
- * STACKABLE VERTICAL AND HORIZONTAL

Raw Material : GaAlAs/GaAs

ABSOLUTE MAXIMUM RATING : (Ta = 25°C)

SYMBOL	PARAMETER	SUPER RED	UNIT
PAD	Power Dissipation Per Dot	60	mW
VR	Reverse Voltage Per Dot	5	V
IAF	Continuous Forward Current Per Dot	20	mA
IPF	Peak Forward Current Per Dice (Duty—0.1,1KHz)	100	mA
—	Derating Linear From 25°C Per Dot	0.33	mA/°C
Topr	Operating Temperature	—35°C to 85°C	
Tstg	Storage Temperature	—35°C to 85°C	
Solder Temperature 1/16 inch Below Seating Plane for 3 Seconds at 250°C			

ELECTRO-OPTICAL CHARACTERISTICS : (Ta = 25°C)

SYMBOL	PARAMETER	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
VF	Forward Voltage Per Dot	IF = 20mA		1.8	2.4	V
IR	Reverse Current	VR = 5V			100	μA
λP	Peak Emission Wavelength	IF = 20mA		660		nm
λD	Dominant Wavelength	IF = 20mA		643		nm
Δλ	Spectral Line Half-Width	IF = 20mA		20		nm
IV	Luminous Intensity Per Dot	IF = 10mA		30		mcd

