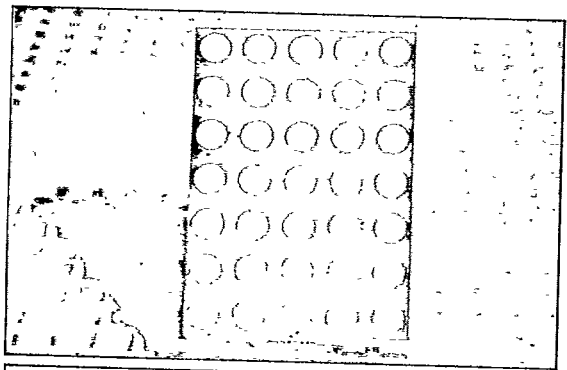




LED Displays DOT MATRIX, 1 DIGIT AND2570 Series AND2571 Series



T-41-35

FEATURES

- LARGE size—Dot Matrix Displays
- 2.0" character height
- Available in RED or GREEN
- Application: Large ALPHANUMERIC Displays for Instrumentation, status display, billboards.

Size of Digits	Common		Format	Color		Number of Pins
	Cathode Column	Cathode Row		Display	Face	
2.0	AND2570S	AND2571S	5 x 7	Red	Gray	14
2.0	AND2570G	AND2571G	5 x 7	Green	Gray	14

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Absolute Maximum Ratings (T = 25°C)

Characteristic	Symbol	Rating	Unit
DC Forward Current/Segment			
AND257X	$I_F(DC)/SEG$	30	mA
Pulse Forward Current/Segment*			
AND257X	I_{FP}/SEG	1000	mA
Operating Temperature Range			
AND257X	T_{opr}	-25 to 85	°C
Storage Temperature Range			
AND257X	T_{stg}	-25 to 85	°C

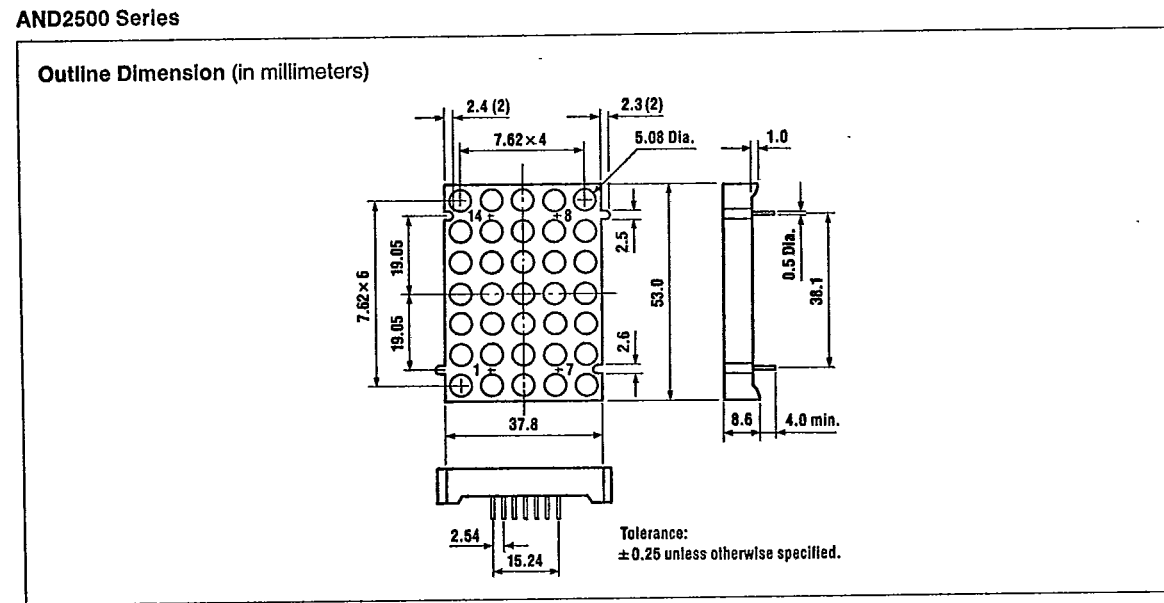
* I_{Fmax} = 1000 mA, Duty Cycle = .3, Pulse Width = 1 usec.
 I_{Fmax} = 160 mA, Duty Cycle = .15, Pulse Width = 1 msec.

Electro-Optical Characteristics

Characteristics	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage						
AND257X	V_F	$I_F = 10mA$		2	3	V
Reverse Current						
AND257X	I_R	$V_R = 3V$			100	μA

Electro-Optical Characteristics (Continued)

Characteristics	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity/Segment						
AND257XS	I_V	$I_F = 10\text{mA}$	650	950		μcd
AND257XG	I_V	$I_F = 10\text{mA}$	1120	1600		μcd
Peak Emission Wave Length						
AND257XS	λ_P	$I_F = 10\text{mA}$		635		nm
AND257XG	λ_P	$I_F = 10\text{mA}$		567		nm
Spectral Line Half Width						
AND257XS	$\Delta\lambda$	$I_F = 10\text{mA}$		100		nm
AND257XG	$\Delta\lambda$	$I_F = 10\text{mA}$		30		nm



Pin Connection

Pin No.	Function
1	Row 5
2	Row 7
3	Column 2
4	Column 3
5	Row 4
6	Column 5
7	Row 6

Pin No.	Function
8	Row 3
9	Row 1
10	Column 4
11	Column 3
12	Row 4
13	Column 1
14	Row 2