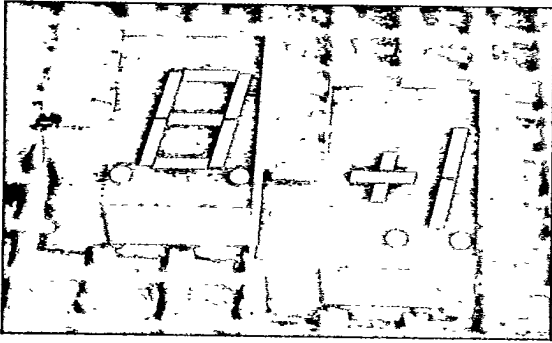




LED Displays

7 SEGMENT, SUPER BRIGHT

T.41.33



FEATURES

- 0.3", 0.43" and 0.56" character heights
- Available in Super Bright RED
- Application: Numerical Readout for Instrument and Industrial products
- Industry pin for pin compatibility
- Both common cathode or common anode are available

	Number of Digits	Common		Color		Number of Pins
		Cathode	Anode	Display	Face	
.3 inch	1	AND332S		Red	Red	10
.3 inch	1		AND333S/AND335S*	Red	Red	14
.3 inch	1/2	AND334S		Red	Red	14
.43 inch	1	AND342S	AND343S/AND345S*	Red	Red	14
.43 inch	1/2	AND344S		Red	Red	14
.56 inch	1	AND362S	AND363S	Red	Red	10
.56 inch	1/2	AND364S	AND365S	Red	Gray	10

Absolute Maximum Ratings (T = 25°C)

Characteristic	Symbol	Rating	Unit
DC Forward Current/Segment	$I_F(DC)/SEG$	20	mA
Pulse Forward Current/Segment	I_{FP}/SEG	110	mA
Reverse Voltage/Segment	V_R	6	V
Operating Temperature Range	T_{opr}	-40 to +85	°C
Storage Temperature Range	T_{stg}	-40 to +85	°C

Electro-Optical Characteristics

Characteristics	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 10mA$	1.7	2	2.5	V_F
Reverse Current	I_R	$V_R = 6V$			5	μA
Luminous Intensity Per Segment						
AND33XS	I_V	$I_F = 10mA$	0.9	1.85		mcd
AND34XS	I_V	$I_F = 10mA$	0.6	1.28		mcd
AND36XS	I_V	$I_F = 10mA$	1.0	2.00		mcd
Luminous Intensity Matching Ratio	I_V-M	$I_F = 10mA$			2.3	
Peak Emission Wave Length	λ_P	$I_F = 10mA$		635		nm
Spectral Line Half Width	$\Delta\lambda$	$I_F = 10mA$		40		nm

* AND333/343 Series, right hand decimal point
AND335/345 Series, left hand decimal point

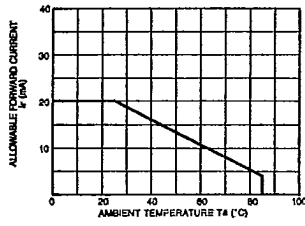


LED Displays

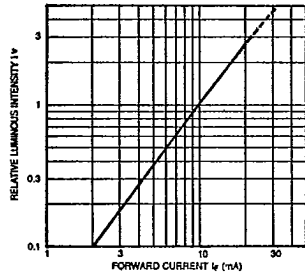
7 SEGMENT, SUPER BRIGHT

T-41-33

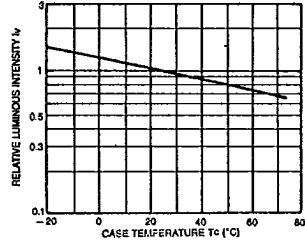
I_F vs. T_a



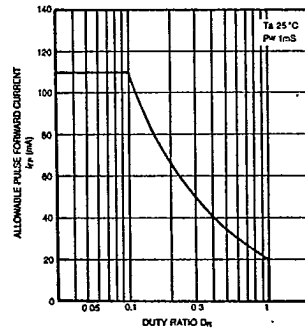
I_v vs. I_F



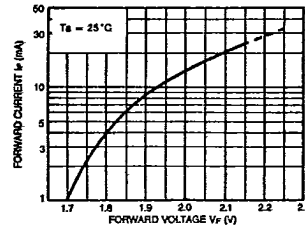
I_v vs. T_c



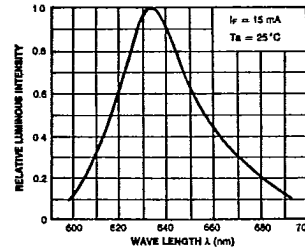
I_{FP} - D_R



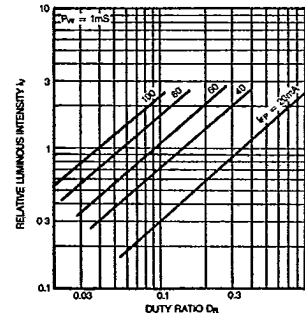
I_F vs. V_F



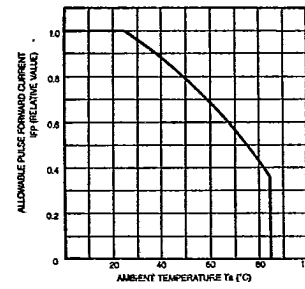
RELATIVE LUMINOUS INTENSITY— WAVE LENGTH

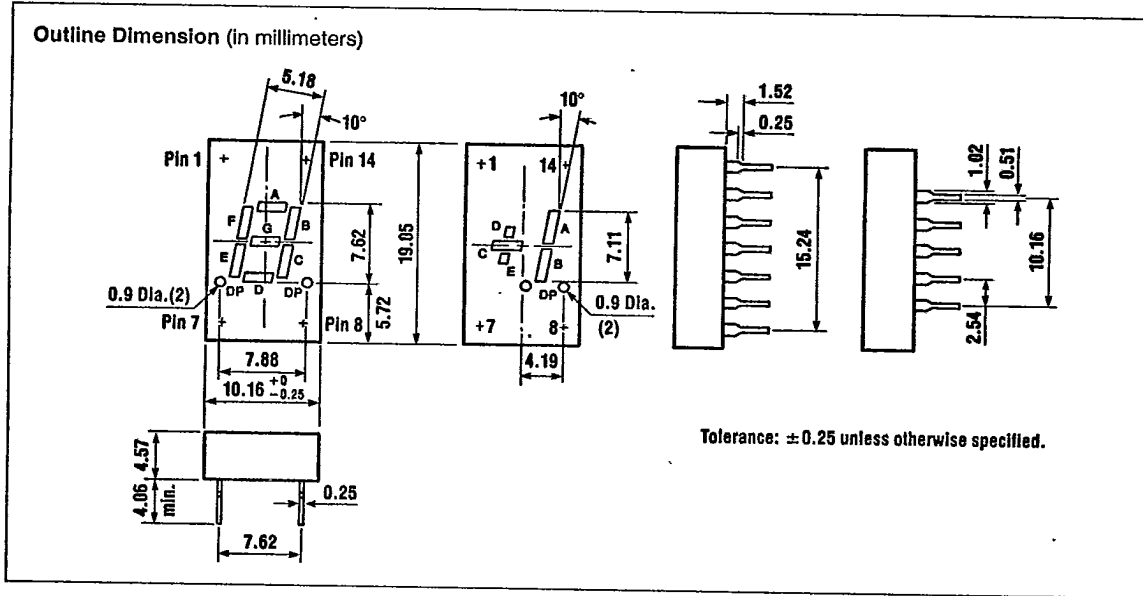


I_v vs. D_R



I_{FP} - T_a





2

Pin Connection

AND332S

Pin No.	Connection
1	Common Cathode
2	Anode F
3	Anode G
4	Anode E
5	Anode D
6	Common Cathode
7	Anode DP (right)
8	Anode C
9	Anode B
10	Anode A

AND333S

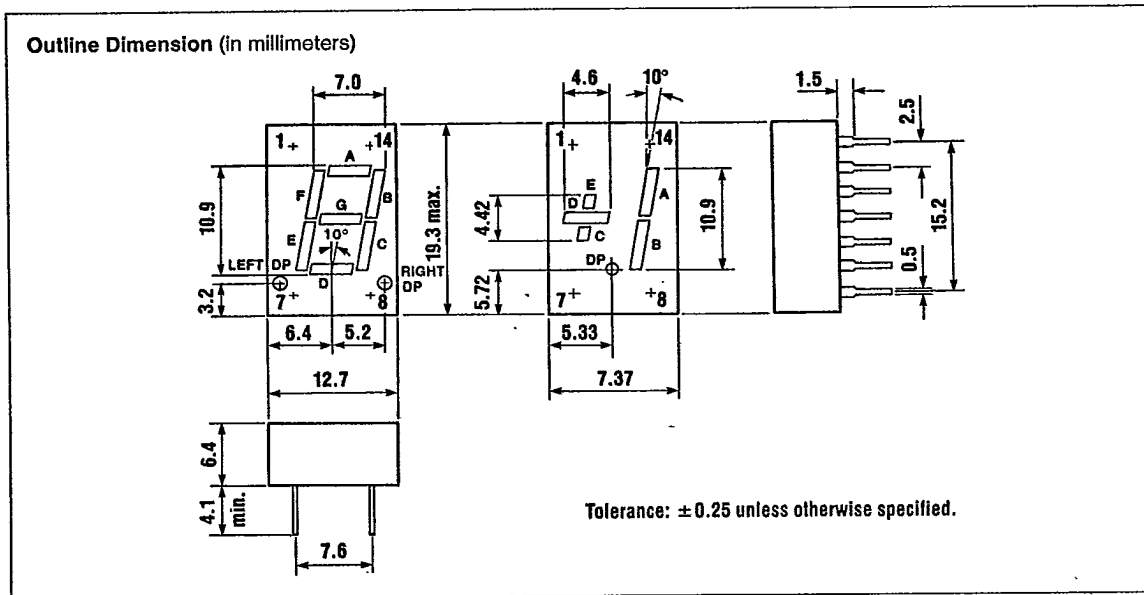
Pin No.	Connection
1	Cathode A
2	Cathode F
3	Common Anode
4	No Pin
5	No Pin
6	No Connection
7	Cathode E
8	Cathode D
9	Cathode DP (right)
10	Cathode C
11	Cathode G
12	No Pin
13	Cathode B
14	Common Anode

AND335S

Pin No.	Connection
1	Cathode A
2	Cathode F
3	Common Anode
4	No Pin
5	No Pin
6	Cathode DP (left)
7	Cathode E
8	Cathode D
9	No Connection
10	Cathode C
11	Cathode G
12	No Pin
13	Cathode B
14	Common Anode

AND334S

Pin No.	Connection
1	Anode D
2	No Pin
3	Cathode D
4	Cathode C
5	Cathode E
6	Anode E
7	Anode C
8	Anode DP (right)
9	No Pin
10	Cathode DP (right)
11	Cathode B
12	Cathode A
13	Anode A
14	Anode B



Pin Connection

AND342S

Pin No.	Connection
1	Anode A
2	Anode F
3	Common Cathode
4	No Pin
5	No Pin
6	No Connection
7	Anode E
8	Anode D
9	Anode DP (right)
10	Anode C
11	Anode G
12	No Pin
13	Anode B
14	Common Cathode

AND343S

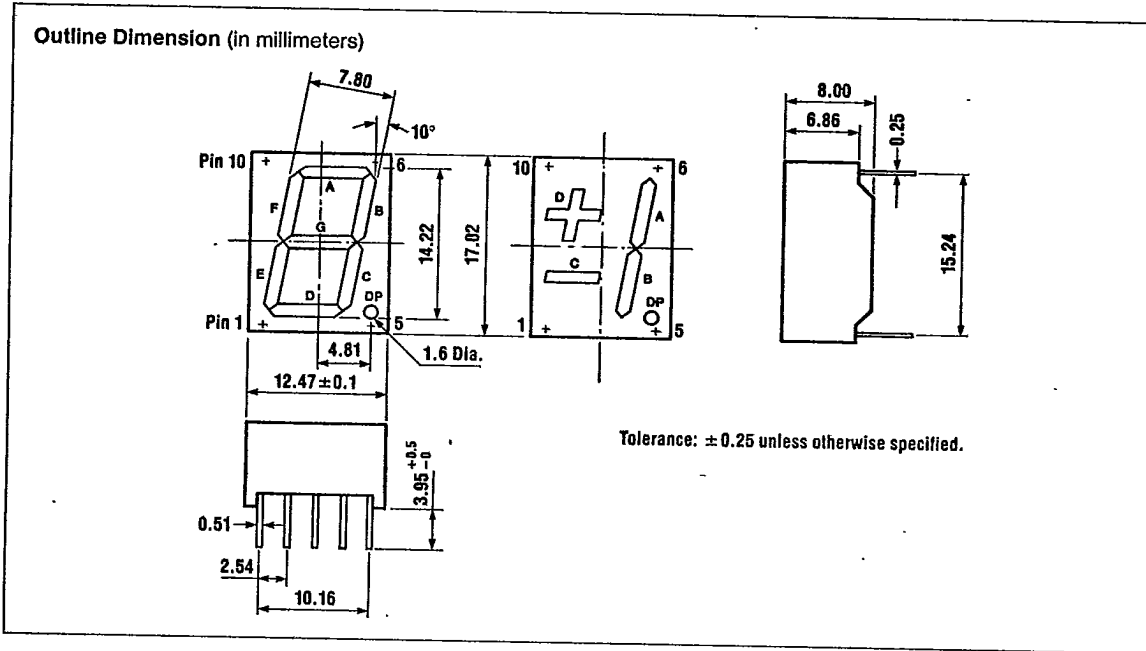
Pin No.	Connection
1	Cathode A
2	Cathode F
3	Common Anode
4	No Pin
5	No Pin
6	No Connection
7	Cathode E
8	Cathode D
9	Cathode DP (right)
10	Cathode C
11	Cathode G
12	No Pin
13	Cathode B
14	Common Anode

AND345S

Pin No.	Connection
1	Cathode A
2	Cathode F
3	Common Anode
4	No Pin
5	No Pin
6	Cathode DP (left)
7	Cathode E
8	Cathode D
9	No Connection
10	Cathode C
11	Cathode G
12	No Pin
13	Cathode B
14	Common Anode

AND344S

Pin No.	Connection
1	Cathode D
2	Anode D
3	No Pin
4	Cathode C
5	Cathode E
6	Anode E
7	Anode C
8	Anode DP (right)
9	Cathode DP (right)
10	Cathode B
11	Cathode A
12	No Pin
13	Anode A
14	Anode B



Pin Connection

AND362S

Pin No.	Connection
1	Anode E
2	Anode D
3	Common Cathode
4	Anode C
5	Anode DP
6	Anode B
7	Anode A
8	Common Cathode
9	Anode F
10	Anode G

AND363S

Pin No.	Connection
1	Cathode E
2	Cathode D
3	Common Anode
4	Cathode C
5	Cathode DP
6	Cathode B
7	Cathode A
8	Common Anode
9	Cathode F
10	Cathode G

AND364S

Pin No.	Connection
1	Anode C
2	Cathode C, D
3	Anode B
4	Cathode A, B, DP
5	Anode DP
6	Anode A
7	Cathode A, B, DP
8	Cathode C, D
9	Anode D
10	No Pin

AND365S

Pin No.	Connection
1	Cathode C
2	Anode C, D
3	Cathode B
4	Anode A, B, DP
5	Cathode DP
6	Cathode A
7	Anode A, B, DP
8	Anode C, D
9	Cathode D
10	No Pin