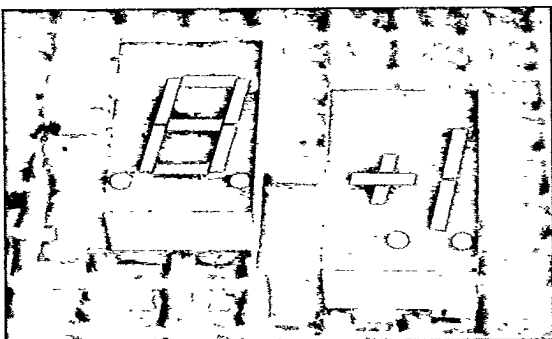




LED Displays

7 SEGMENT, .43 INCH

AND342 Series
AND344 SeriesAND343 Series
AND345 SeriesT-41-33
FEATURES

- 0.43" character height
- Available in RED or GREEN
- 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	
1	AND342R	AND343R/AND345R*	Red	Red	14
1	AND342G	AND343G/AND345G*	Green	Green	14
1/2	AND344R		Red	Red	14
1/2	AND344G		Green	Green	14

Absolute Maximum Ratings (T = 25°C)

Characteristic	Symbol	Rating	Unit
DC Forward Current/Segment	$I_F(\text{DC})/\text{SEG}$	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	$I_F = 10\text{mA}$	1.7	2	2.5	V
Reverse Current	I_R	$V_R = 6\text{V}$			5	μA
Luminous Intensity Per Segment	Red I_V	$I_F = 5\text{mA}$	0.28	.56		mcd
	Green I_V	$I_F = 10\text{mA}$	0.5	1		mcd
Luminous Intensity Matching Ratio	Red $I_V - M$	$I_F = 5\text{mA}$			2.3	
	Green $I_V - M$	$I_F = 10\text{mA}$			2.3	
Peak Emission Wave Length	Red λ_P	$I_F = 10\text{mA}$		700		nm
	Green λ_P	$I_F = 10\text{mA}$		565		nm
Spectral Line Half Width	Red $\Delta\lambda$	$I_F = 10\text{mA}$		100		nm
	Green $\Delta\lambda$	$I_F = 10\text{mA}$		30		nm

* AND343 Series, right hand decimal point
AND345 Series, left hand decimal point



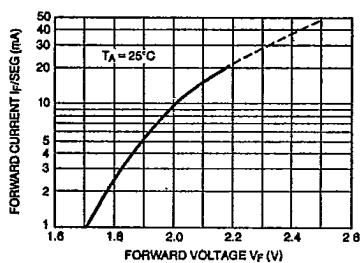
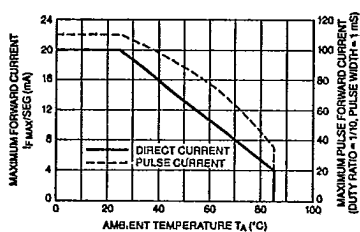
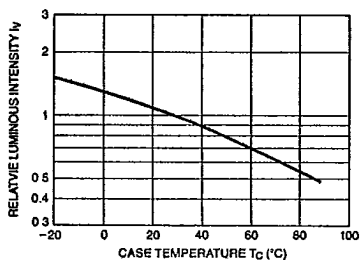
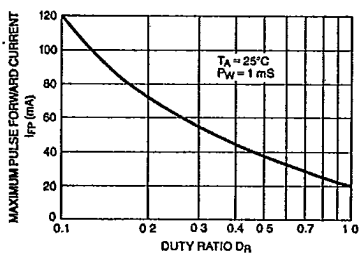
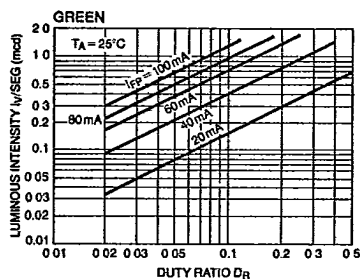
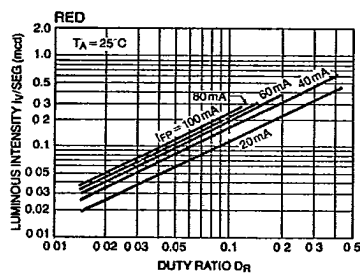
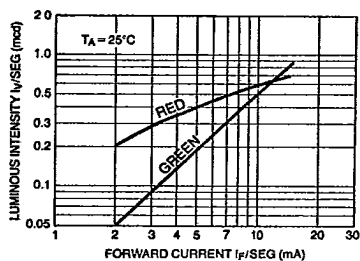
LED Displays

7 SEGMENT, .43 INCH

AND342 Series
AND344 SeriesAND343 Series
AND345 Series

AND340 Series

T-41-33

 I_F/SEG vs. V_F  I_{FMAX}/SEG vs. T_A  I_V vs. T_C  I_{FP} vs. D_R  I_V/SEG vs. D_R  I_V/SEG vs. I_F/SEG 

2



LED Displays

7 SEGMENT, .43 INCH

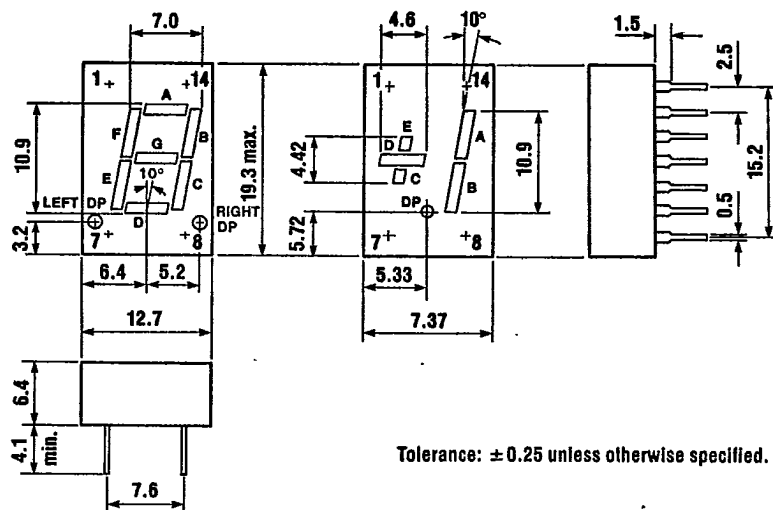
AND342 Series
AND344 Series

AND343 Series
AND345 Series

AND340 Series

T-41-33

Outline Dimension (in millimeters)



Tolerance: ± 0.25 unless otherwise specified.

Pin Connection

AND342

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

AND343

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 Cathode

AND345

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 (right)
10	Cathode C
11	Cathode G
12	No Pin
13	Cathode B
14	Common Anode

AND344

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