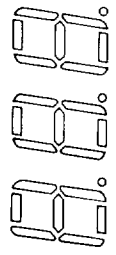


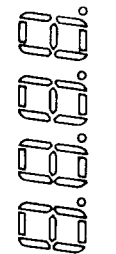
THREE-DIGIT DISPLAYS

Digit Size	Part No.		Emitted Color	Peak Wave Length λ_p (nm)	Absolute Maximum Ratings				Electro-Optical Data (At 10 mA)			Drawing No.
	Common Anode	Common Cathode			$\Delta\lambda$ (nm)	Pd (mw)	If(mA)	Peak If(mA)	Vf(V)		Iv Typ. Per Seg. (mcd)	
									Typ.	Max.		
0.56"	BT-A511RD	BT-C511RD	Red	655	40	110	40	200	1.7	2.0	0.7	D-29
	A515RD	C515RD	Bright Red	700	90	50	15	50	2.1	2.6	1.0	
	A512RD	C512RD	Green	568	30	100	30	150	2.1	2.6	2.4	
	A513RD	C513RD	Yellow	585	35	90	30	150	2.1	2.6	2.3	
	A514RD	C514RD	Hi-Eff Red Orange	635	45	80	30	150	2.0	2.6	2.4	
	A516RD	C516RD	Super Red	660	20	60	20	150	1.7	2.6	4.2	
	BT-M511RD	BT-N511RD	Red	655	40	110	40	200	1.7	2.0	0.7	D-30
	M515RD	N515RD	Bright Red	700	90	50	15	50	2.1	2.6	1.0	
	M512RD	N512RD	Green	568	30	100	30	150	2.1	2.6	2.4	
	M513RD	N513RD	Yellow	585	35	90	30	150	2.1	2.6	2.3	
	M514RD	N514RD	Hi-Eff Red Orange	635	45	80	30	150	2.0	2.6	2.4	
	M516RD	N516RD	Super Red	660	20	60	20	150	1.7	2.6	4.2	



FOUR-DIGIT DISPLAYS

Digit Size	Part No.		Emitted Color	Peak Wave Length λ_p (nm)	Absolute Maximum Ratings				Electro-Optical Data (At 10 mA)			Drawing No.
	Common Anode	Common Cathode			$\Delta\lambda$ (nm)	Pd (mw)	If(mA)	Peak If(mA)	Vf(V)		Iv Typ. Per Seg. (mcd)	
									Typ.	Max.		
0.56"	BQ-A511RD	BQ-N511RD	Red	655	40	110	40	200	1.7	2.0	0.7	D-31
	A515RD	C515RD	Bright Red	700	90	50	15	50	2.1	2.6	1.0	
	A512RD	C512RD	Green	568	30	100	30	150	2.1	2.6	2.4	
	A513RD	C513RD	Yellow	585	35	90	30	150	2.1	2.6	2.3	
	A514RD	C514RD	Hi-Eff Red Orange	635	45	80	30	150	2.0	2.6	2.4	
	A516RD	C516RD	Super Red	660	20	60	20	150	1.7	2.6	4.2	
	BQ-M511RD	BQ-N511RD	Red	655	40	110	40	200	1.7	2.0	0.7	D-32
	M515RD	N515RD	Bright Red	700	90	50	15	50	2.1	2.6	1.0	
	M512RD	N512RD	Green	568	30	100	30	150	2.1	2.6	2.4	
	M513RD	N513RD	Yellow	585	35	90	30	150	2.1	2.6	2.3	
	M514RD	N514RD	Hi-Eff Red Orange	635	45	80	30	150	2.0	2.6	2.4	
	M516RD	N516RD	Super Red	660	20	60	20	150	1.7	2.6	4.2	

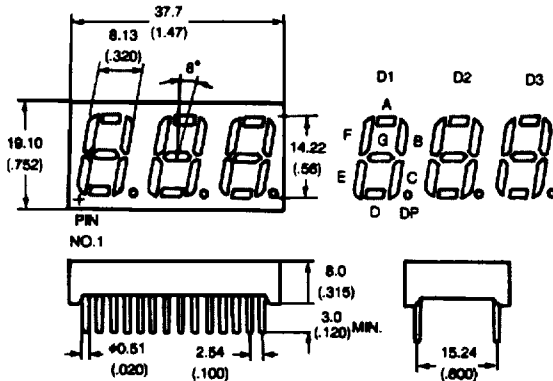


Remark: • The average luminous intensity is obtained by summing the luminous intensity of each segment and dividing by total number of segments
 • Above part numbers are all with black surface and white segment. For part numbers with other surface and segment color combinations, please check the selection guide (part number system).

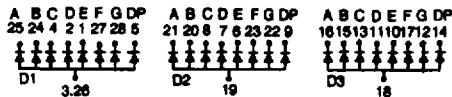
PACKAGE DIMENSIONS

NOTES:

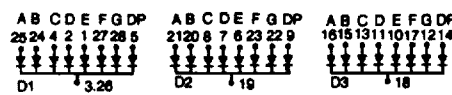
1. All dimensions are in millimeters (inches)
2. Tolerance is $\pm 0.25\text{mm}$ ($0.010''$) unless otherwise specified
3. Specifications are subject to change without notice



BT-A51XXX



BT-C51XXX

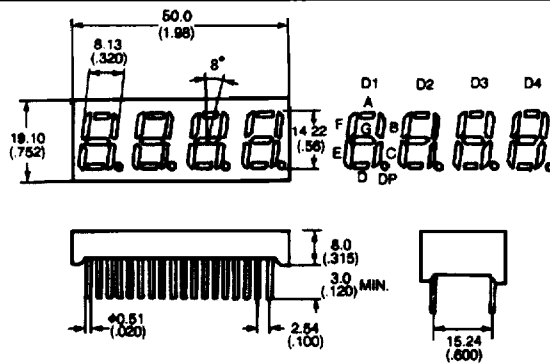


BT-M51XXX

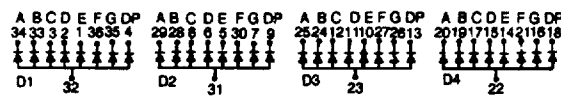
- Com. Anode
- | | |
|---------------|-------------------|
| 1. Cathode E | 7. Cathode B |
| 2. Cathode D | 8. Com. Anode D3 |
| 3. Cathode DP | 9. Com. Anode D2 |
| 4. Cathode C | 10. Cathode F |
| 5. Cathode G | 11. Cathode A |
| 6. NC | 12. Com. Anode D1 |

BT-N51XXX

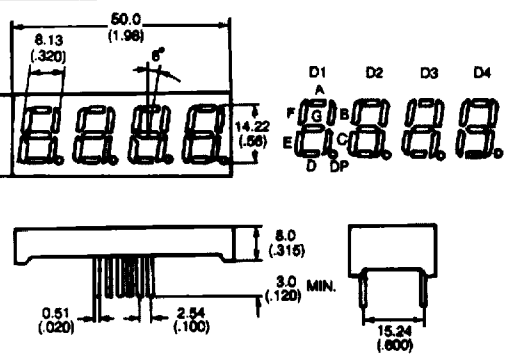
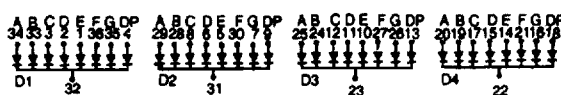
- Com. Cathode
- | | |
|-------------|---------------------|
| 1. Anode E | 7. Anode B |
| 2. Anode D | 8. Com. Cathode D3 |
| 3. Anode DP | 9. Com. Cathode D2 |
| 4. Anode C | 10. Anode F |
| 5. Anode G | 11. Anode A |
| 6. NC | 12. Com. Cathode D1 |



BQ-A51XXX



BQ-C51XXX



BQ-M51XXX

- Com. Anode
- | | |
|---------------|-------------------|
| 1. Cathode E | 7. Cathode B |
| 2. Cathode D | 8. Com. Anode D3 |
| 3. Cathode DP | 9. Com. Anode D2 |
| 4. Cathode C | 10. Cathode F |
| 5. Cathode G | 11. Cathode A |
| 6. Com. Anode | 12. Com. Anode D1 |

BQ-N51XXX

- Com. Cathode
- | | |
|--------------------|---------------------|
| 1. Anode E | 7. Anode B |
| 2. Anode D | 8. Com. Cathode D3 |
| 3. Anode DP | 9. Com. Cathode D2 |
| 4. Anode C | 10. Anode F |
| 5. Anode G | 11. Anode A |
| 6. Com. Cathode D4 | 12. Com. Cathode D1 |