



# DUAL DIGIT LED DISPLAYS

Digit Size	Part No.		Chip		Absolute Maximum Ratings				Electro-optical Data(At 10mA)			Drawing No.	
	Common Anode	Common Cathode	Material/Emitted Color	Peak Wave Length $\lambda_p$ (nm)	$\Delta \lambda$ (nm)	Pd (mw)	If (mA)	Ifp (mA)	Vf (v)		Iv. Typ. Per.Seg. (mcd)		
									Typ.	Max.			
0.52" Dual-Digit	BD-A531RD	BD-C531RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.8	DD-19	
	BD-A535RD	BD-C535RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.5		
	BD-A535RE	BD-C535RE											
	BD-A532RD	BD-C532RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.5		
	BD-A533RD	BD-C533RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.5		
	BD-A534RD	BD-C534RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.5		
			GaAsP/GaP/ Orange										
	BD-A536RD	BD-C536RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.5		
BD-A53DRD	BD-C53DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.5			
0.54" Alpha-Numeric Displays	BD-E521RD	BD-F521RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.8	DD-20	
	BD-E525RD	BD-F525RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.5		
	BD-E525RE	BD-F525RE											
	BD-E522RD	BD-F522RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.5		
	BD-E523RD	BD-F523RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.5		
	BD-E524RD	BD-F524RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.5		
			GaAsP/GaP/ Orange										
	BD-E526RD	BD-F526RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.5		
BD-E52DRD	BD-F52DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.5			
0.56" Dual-Digit	BD-A511RD	BD-C511RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.8	DD-21	
	BD-A515RD	BD-C515RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.5		
	BD-A515RE	BD-C515RE											
	BD-A512RD	BD-C512RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.5		
	BD-A513RD	BD-C513RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.5		
	BD-A514RE	BD-C514RE	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.5		
			GaAsP/GaP/ Orange										
	BD-A516RD	BD-C516RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.5		
BD-A51DRD	BD-C51DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.5			
0.56" Overflow Dual-Digit	BG-A511RD	BG-C511RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.9	DD-22	
	BG-A515RD	BG-C515RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.6		
	BG-A515RE	BG-C515RE											
	BG-A512RD	BG-C512RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.8		
	BG-A513RD	BG-C513RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.8		
	BG-A514RE	BG-C514RE	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.6		
			GaAsP/GaP/ Orange										
	BG-A516RD	BG-C516RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.8		
BG-A51DRD	BG-C51DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.8			
0.56" Dual-Digit	BD-A541RD	BD-C541RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.9	DD-23	
	BD-A545RD	BD-C545RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.6		
	BD-A545RE	BD-C545RE											
	BD-A542RD	BD-C542RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.8		
	BD-A543RD	BD-C543RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.8		
	BD-A544RE	BD-C544RE	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.6		
			GaAsP/GaP/ Orange										
	BD-A546RD	BD-C546RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.8		
	BD-A54DRD	BD-C54DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.8		
	0.56" Dual-Digit	BD-E541RD-A	BD-F541RD-A	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.9	DD-24
		BD-E545RD-A	BD-F545RD-A	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.6	
		BD-E545RE-A	BD-F545RE-A										
		BD-E542RD-A	BD-F542RD-A	GaP/ Green	568	30	80	30	150	2.2	2.5	3.8	
		BD-E543RD-A	BD-F543RD-A	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.8	
		BD-E544RE-A	BD-F544RE-A	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.6	
				GaAsP/GaP/ Orange									
BD-E546RD-A		BD-F546RD-A	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.8		
BD-E54DRD-A	BD-F54DRD-A	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.8			

# DUAL DIGIT LED DISPLAYS

DD-19	DD-20
<p style="text-align: center;"><b>BD-<math>\overset{A}{C}</math>53xRD</b></p> <p>Technical drawing of BD-A53xRD dual digit LED display. Dimensions include: 7.60(.299)mm height, 13.20(.520)mm height, 25.00(.984)mm width, 17.50(.689)mm height, 10° angle, 1.5(.059)mm diameter, 15.24(.600)mm height, 0.25(.010)mm height, 7.00(.276)mm height, 3.00(.118)mm MIN. height, 2.54(.100)mm pin pitch, and 25.00(.984)mm width. Pinout diagram shows 16 pins for D1 and 13 pins for D2, with segments A, B, C, D, E, F, G, DP.</p>	<p style="text-align: center;"><b>BD-<math>\overset{E}{F}</math>52xRD</b></p> <p>Technical drawing of BD-E52xRD dual digit LED display. Dimensions include: 8.16(.321)mm height, 13.80(.543)mm height, 25.20(.992)mm width, 21.15(.833)mm height, 5° angle, 1.60(.063)mm diameter, 15.24(.600)mm height, 7.80(.307)mm height, 3.00(.118)mm MIN. height, 2.54x8=20.32(.800)mm pin pitch, and 25.20(.992)mm width. Pinout diagram shows 16 pins for D1 and 11 pins for D2, with segments A, B, C, D, E, F, G, H, I, J, K, L, M, DP.</p>
<p style="text-align: center;"><b>BD-<math>\overset{A}{C}</math>51xRD</b></p> <p>Technical drawing of BD-A51xRD dual digit LED display. Dimensions include: 8.10(.315)mm height, 14.20(.560)mm height, 25.00(.984)mm width, 19.00(.748)mm height, 8° angle, 1.7(.067)mm diameter, 15.24(.600)mm height, 8.00(.315)mm height, 3.00(.118)mm MIN. height, 2.54(.100)mm pin pitch, and 25.00(.984)mm width. Pinout diagram shows 16 pins for D1 and 13 pins for D2, with segments A, B, C, D, E, F, G, DP.</p>	<p style="text-align: center;"><b>BG-<math>\overset{A}{C}</math>51xRD</b></p> <p>Technical drawing of BG-A51xRD dual digit LED display. Dimensions include: 8.10(.315)mm height, 14.20(.560)mm height, 25.00(.984)mm width, 19.00(.748)mm height, 8° angle, 1.7(.067)mm diameter, 15.24(.600)mm height, 8.00(.315)mm height, 3.00(.118)mm MIN. height, 2.54(.100)mm pin pitch, and 25.00(.984)mm width. Pinout diagram shows 15 pins for D1 and 13 pins for D2, with segments B, C, G, H, J, DP, A, B, C, D, E, F, G, DP.</p>
<p style="text-align: center;"><b>BD-<math>\overset{A}{C}</math>54xRD</b></p> <p>Technical drawing of BD-A54xRD dual digit LED display. Dimensions include: 8.00(.315)mm height, 14.20(.560)mm height, 25.00(.984)mm width, 19.00(.748)mm height, 8° angle, 1.5(.059)mm diameter, 15.24(.600)mm height, 8.00(.315)mm height, 3.00(.118)mm MIN. height, 2.54(.100)mm pin pitch, and 25.00(.984)mm width. Pinout diagram shows 16 pins for D1 and 13 pins for D2, with segments A, B, C, D, E, F, G, DP.</p>	<p style="text-align: center;"><b>BD-<math>\overset{E}{F}</math>54xRD-A</b></p> <p>Technical drawing of BD-E54xRD-A dual digit LED display. Dimensions include: 8.00(.315)mm height, 14.20(.560)mm height, 25.00(.984)mm width, 19.00(.748)mm height, 8° angle, 1.5(.059)mm diameter, 15.24(.600)mm height, 8.00(.315)mm height, 3.00(.118)mm MIN. height, 2.54(.100)mm pin pitch, and 25.00(.984)mm width. Pinout diagram shows 8 pins for D1 and 7 pins for D2, with segments A, B, C, D, E, F, G, DP.</p>

NOTES: 1.All Dimensions are in millimeters(inches).  
3.Specifications are subject to change without notice.

2.Tolerance is  $\pm 0.25\text{mm}(.010'')$ .  
4.NP:No Pin. 5.NC:No Connect.