



# SINGLE 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.			
0.50" Alpha-Numeric Displays	BS-A561RD	BS-C561RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.7	SD-25	
	BS-A565RD	BS-C565RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.5		
	BS-A565RE	BS-C565RE											
	BS-A562RD	BS-C562RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.5		
	BS-A563RD	BS-C563RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.5		
	BS-A564RD	BS-C564RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.5		
			GaAsP/GaP/ Orange										
	BS-A566RD	BS-C566RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.5		
	BS-A56DRD	BS-C56DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.5		
	BS-A561RD-A	BS-C561RD-A	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.7		SD-26
	BS-A565RD-A	BS-C565RD-A	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.5		
	BS-A565RE-A	BS-C565RE-A											
	BS-A562RD-A	BS-C562RD-A	GaP/ Green	568	30	80	30	150	2.2	2.5	3.5		
	BS-A563RD-A	BS-C563RD-A	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.5		
BS-A564RD-A	BS-C564RD-A	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.5			
		GaAsP/GaP/ Orange											
BS-A566RD-A	BS-C566RD-A	GaAlAs/ SH Super Red	660	20	60	30	150	1.7	2.5	6.5			
BS-A56DRD-A	BS-C56DRD-A	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.5			
0.52" Single-Digit	BS-A531RD	BS-C531RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.0	SD-27	
	BS-A535RD	BS-C535RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.5		
	BS-A535RE	BS-C535RE											
	BS-A532RD	BS-C532RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0		
	BS-A533RD	BS-C533RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0		
	BS-A534RD	BS-C534RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0		
			GaAsP/GaP/ Orange										
	BS-A536RD	BS-C536RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.0		
	BS-A53DRD	BS-C53DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	8.0		
	BS-A541RD	BS-C541RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.0		SD-28
	BS-A545RD	BS-C545RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.5		
	BS-A545RE	BS-C545RE											
	BS-A542RD	BS-C542RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0		
	BS-A543RD	BS-C543RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0		
BS-A544RD	BS-C544RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0			
		GaAsP/GaP/ Orange											
BS-A546RD	BS-C546RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.0			
BS-A54DRD	BS-C54DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	8.0			
0.56" Single-Digit	BS-A511RD	BS-C511RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.0	SD-29	
	BS-A515RD	BS-C515RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.5		
	BS-A515RE	BS-C515RE											
	BS-A512RD	BS-C512RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0		
	BS-A513RD	BS-C513RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0		
	BS-A514RD	BS-C514RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0		
			GaAsP/GaP/ Orange										
	BS-A516RD	BS-C516RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.0		
BS-A51DRD	BS-C51DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	8.0			
0.56" Overflow Single-Digit	BF-A511RD	BF-C511RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.0	SD-30	
	BF-A515RD	BF-C515RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.5		
	BF-A515RE	BF-C515RE											
	BF-A512RD	BF-C512RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0		
	BF-A513RD	BF-C513RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0		
	BF-A514RD	BF-C514RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0		
			GaAsP/GaP/ Orange										
	BF-A516RD	BF-C516RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.0		
BF-A51DRD	BF-C51DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	8.0			

# SINGLE DIGIT LED DISPLAYS

SD-25 BS-A <sub>C</sub> 56xRD	SD-26 BS-A <sub>C</sub> 56xRD-A
<p>Technical drawing of SD-25 BS-A<sub>C</sub>56xRD LED display. Dimensions: 8.25(325)mm width, 12.70(500)mm height, 16.00(630)mm diameter, 25.00(984)mm total height, 2.54x8=20.32(800)mm pin pitch, 1.6(062)mm pin diameter, 9.50(374)mm pin height, 3.00(118)mm MIN. pin offset, 12.40(488)mm pin width, 0.50(020)mm pin diameter. Pin layout: A1, A2, B, C, D1, D2, E, F, G1, G2, J, K, L, M, N, P, DP. Pin numbers: 2, 1, 16, 13, 8, 9, 6, 5, 14, 15, 4, 3, 17, 12, 11, 7, 10.</p>	<p>Technical drawing of SD-26 BS-A<sub>C</sub>56xRD-A LED display. Dimensions: 8.25(325)mm width, 12.70(500)mm height, 16.00(630)mm diameter, 25.00(984)mm total height, 2.54x8=20.32(800)mm pin pitch, 1.6(062)mm pin diameter, 9.50(374)mm pin height, 3.00(118)mm MIN. pin offset, 12.40(488)mm pin width, 0.50(020)mm pin diameter. Pin layout: A1, A2, B, C, D1, D2, E, F, G1, G2, J, K, L, M, N, P, DP. Pin numbers: 1, 18, 16, 13, 9, 10, 8, 4, 5, 15, 3, 2, 17, 14, 6, 7, 12.</p>
<p>Technical drawing of SD-27 BS-A<sub>C</sub>53xRD LED display. Dimensions: 7.60(299)mm width, 13.20(520)mm height, 12.40(488)mm diameter, 17.50(689)mm total height, 1.0(039)mm pin offset, 1.5(059)mm pin diameter, 7.00(276)mm pin height, 3.00(118)mm MIN. pin offset, 2.54(100)mm pin width, 0.50(020)mm pin diameter. Pin layout: A, B, C, D, E, F, G, DP. Pin numbers: 7, 6, 4, 2, 1, 9, 10, 5.</p>	<p>Technical drawing of SD-28 BS-A<sub>C</sub>54xRD LED display. Dimensions: 7.60(299)mm width, 13.20(520)mm height, 12.40(488)mm diameter, 17.50(689)mm total height, 1.0(039)mm pin offset, 1.5(059)mm pin diameter, 7.00(276)mm pin height, 3.00(118)mm MIN. pin offset, 2.54(100)mm pin width, 0.50(020)mm pin diameter. Pin layout: A, B, C, D, E, F, G, DP. Pin numbers: 8, 7, 3, 2, 1, 10, 9, 4.</p>
<p>Technical drawing of SD-29 BS-A<sub>C</sub>51xRD LED display. Dimensions: 8.10(319)mm width, 14.20(560)mm height, 12.50(492)mm diameter, 19.00(748)mm total height, 1.0(039)mm pin offset, 1.6(063)mm pin diameter, 8.00(314)mm pin height, 3.00(118)mm MIN. pin offset, 2.54(100)mm pin width, 0.50(020)mm pin diameter. Pin layout: A, B, C, D, E, F, G, DP. Pin numbers: 7, 6, 4, 2, 1, 9, 10, 5.</p>	<p>Technical drawing of SD-30 BF-A<sub>C</sub>51xRD LED display. Dimensions: 8.10(319)mm width, 14.20(560)mm height, 12.50(492)mm diameter, 19.00(748)mm total height, 1.0(039)mm pin offset, 1.6(063)mm pin diameter, 8.00(314)mm pin height, 3.00(118)mm MIN. pin offset, 2.54(100)mm pin width, 0.50(020)mm pin diameter. Pin layout: B, C, H, J, DP. Pin numbers: 6, 4, 9, 1, 5. NC: 2, 7, 10.</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.