



Single Digit LED Displays 16-Segment, 7-Segment

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 λ_p (nm)	$\Delta \lambda$ (nm)	Pd (mw)	If (mA)	Ifp (mA)	Vf (v)		Iv. Typ. Per.Seg. (mcd)	
									Typ.	Max.		
1.00" Alpha-Numeric Displays	BS-AA21RD	BS-CA21RD	GaAsP/Red	655	40	160	40	200	3.4	4.0	2.5	SD-43
	BS-AA25RD	BS-CA25RD	GaP/ Bright Red	700	90	80	15	50	4.4	5.0	3.5	
	BS-AA25RE	BS-CA25RE										
	BS-AA22RD	BS-CA22RD	GaP/ Green	568	30	160	30	150	4.4	5.0	5.0	
	BS-AA23RD	BS-CA23RD	GaAsP/GaP/ Yellow	585	35	160	30	150	4.2	5.0	4.0	
	BS-AA24RD	BS-CA24RD	GaAsP/GaP/ Hi-Eff.Red	635	45	160	30	150	4.0	5.0	5.0	
			GaAsP/GaP/ Orange									
BS-AA26RD	BS-CA26RD	GaAlAs/ SH Super Red	660	20	160	30	150	3.4	5.0	10.0		
BS-AA2FRD	BS-CA2FRD	GaAlAs/ DDH Super Red	660	20	160	30	150	4.0	5.0	15.0		
1.00" Single-Digit	BS-AA31RD	BS-CA31RD	GaAsP/Red	655	40	160	40	200	3.4	4.0	2.5	SD-44
	BS-AA35RD	BS-CA35RD	GaP/ Bright Red	700	90	80	15	50	4.4	5.0	3.5	
	BS-AA35RE	BS-CA35RE										
	BS-AA32RD	BS-CA32RD	GaP/ Green	568	30	160	30	150	4.4	5.0	5.0	
	BS-AA33RD	BS-CA33RD	GaAsP/GaP/ Yellow	585	35	160	30	150	4.2	5.0	4.0	
	BS-AA34RD	BS-CA34RD	GaAsP/GaP/ Hi-Eff.Red	635	45	160	30	150	4.0	5.0	5.0	
			GaAsP/GaP/ Orange									
	BS-AA36RD	BS-CA36RD	GaAlAs/ SH Super Red	660	20	160	30	150	3.4	5.0	10.0	
	BS-AA3FRD	BS-CA3FRD	GaAlAs/ DDH Super Red	660	20	160	30	150	4.0	5.0	15.0	
	BS-AA41RD	BS-CA41RD	GaAsP/Red	655	40	160	40	200	3.4	4.0	2.5	
	BS-AA45RD	BS-CA45RD	GaP/ Bright Red	700	90	80	15	50	4.4	5.0	3.5	
	BS-AA45RE	BS-CA45RE										
	BS-AA42RD	BS-CA42RD	GaP/ Green	568	30	160	30	150	4.4	5.0	5.0	
BS-AA43RD	BS-CA43RD	GaAsP/GaP/ Yellow	585	35	160	30	150	4.2	5.0	4.0		
BS-AA44RD	BS-CA44RD	GaAsP/GaP/ Hi-Eff.Red	635	45	160	30	150	4.0	5.0	5.0		
		GaAsP/GaP/ Orange										
BS-AA46RD	BS-CA46RD	GaAlAs/ SH Super Red	660	20	160	30	150	3.4	5.0	10.0		
BS-AA4FRD	BS-CA4FRD	GaAlAs/ DDH Super Red	660	20	160	30	150	4.0	5.0	15.0		
1.00" Alpha-Numeric Displays	BS-AA51RD	BS-CA51RD	GaAsP/Red	655	40	160	40	200	3.4	4.0	2.5	SD-46
	BS-AA55RD	BS-CA55RD	GaP/ Bright Red	700	90	80	15	50	4.4	5.0	3.5	
	BS-AA55RE	BS-CA55RE										
	BS-AA52RD	BS-CA52RD	GaP/ Green	568	30	160	30	150	4.4	5.0	5.0	
	BS-AA53RD	BS-CA53RD	GaAsP/GaP/ Yellow	585	35	160	30	150	4.2	5.0	4.0	
	BS-AA54RD	BS-CA54RD	GaAsP/GaP/ Hi-Eff.Red	635	45	160	30	150	4.0	5.0	5.0	
			GaAsP/GaP/ Orange									
BS-AA56RD	BS-CA56RD	GaAlAs/ SH Super Red	660	20	160	30	150	3.4	5.0	10.0		
BS-AA5FRD	BS-CA5FRD	GaAlAs/ DDH Super Red	660	20	160	30	150	4.0	5.0	15.0		
1.20" Single-Digit	BS-AB11RD	BS-CB11RD	GaAsP/Red	655	40	160	40	200	3.4	4.0	2.5	SD-47
	BS-AB15RD	BS-CB15RD	GaP/ Bright Red	700	90	80	15	50	4.4	5.0	3.5	
	BS-AB15RE	BS-CB15RE										
	BS-AB12RD	BS-CB12RD	GaP/ Green	568	30	160	30	150	4.4	5.0	5.0	
	BS-AB13RD	BS-CB13RD	GaAsP/GaP/ Yellow	585	35	160	30	150	4.2	5.0	4.0	
	BS-AB14RD	BS-CB14RD	GaAsP/GaP/ Hi-Eff.Red	635	45	160	30	150	4.0	5.0	5.0	
			GaAsP/GaP/ Orange									
	BS-AB16RD	BS-CB16RD	GaAlAs/ SH Super Red	660	20	160	30	150	3.4	5.0	10.0	
	BS-AB1FRD	BS-CB1FRD	GaAlAs/ DDH Super Red	660	20	160	30	150	4.0	5.0	15.0	
	BS-AB21RD	BS-CB21RD	GaAsP/Red	655	40	160	40	200	3.4	4.0	2.5	
	BS-AB25RD	BS-CB25RD	GaP/ Bright Red	700	90	80	15	50	4.4	5.0	3.5	
	BS-AB25RE	BS-CB25RE										
	BS-AB22RD	BS-CB22RD	GaP/ Green	568	30	160	30	150	4.4	5.0	5.0	
	BS-AB23RD	BS-CB23RD	GaAsP/GaP/ Yellow	585	35	160	30	150	4.2	5.0	4.0	
BS-AB24RD	BS-CB24RD	GaAsP/GaP/ Hi-Eff.Red	635	45	160	30	150	4.0	5.0	5.0		
		GaAsP/GaP/ Orange										
BS-AB26RD	BS-CB26RD	GaAlAs/ SH Super Red	660	20	160	30	150	3.4	5.0	10.0		
BS-AB2FRD	BS-CB2FRD	GaAlAs/ DDH Super Red	660	20	160	30	150	4.0	5.0	15.0		



Single Digit LED Displays 16-Segment, 7-Segment

<p>SD-43 BS-$\overset{A}{\underset{C}{\curvearrowright}}$A2xRD</p> <p>Dimensions: 13.70(.539), 25.60(1.00), 33.00(1.299), 22.80(.897), 1.6(.063), 2.54(.100), 5.08(.200), 8.80(.346), 3.00(.118)MIN., 18.00(.708), 0.50(.020).</p> <p>Pin 1. Segments: A1, A2, B, C, D1, D2, E, F, G1, G2, DP.</p> <p>BS-AA2xRD 6,18</p> <p>Pin connections: DP, A1, A2, B, C, D1, D2, E, F, G1, G2, J, K, L, M, N, P. NC: 1, NP: 5,8,17,20.</p>	<p>SD-44 BS-$\overset{A}{\underset{C}{\curvearrowright}}$A3xRD</p> <p>Dimensions: 14.10(.555), 25.40(1.00), 33.90(1.335), 24.00(.945), 2.54(.100), 10.50(.413), 3.00(.118)MIN., 0.50(.020).</p> <p>Pin 1. Segments: A, B, C, D, E, F, G, DP.</p> <p>BS-AA3xRD 4,11</p> <p>BS-CA3xRD 4,11</p> <p>Pin connections: A, B, C, D, E, F, G, DP. NP: 3,7,10,13.</p>
<p>SD-45 BS-$\overset{A}{\underset{C}{\curvearrowright}}$A4xRD</p> <p>Dimensions: 14.70(.579), 25.4(1.00), 33.00(1.299), 22.86(.900), 1.3(.052), 9.00(.354), 3.00(.118)MIN., 2.54x6=15.24(.600), 0.50(.020).</p> <p>Pin 1. Segments: A, B, C, D, E, F, G, DP.</p> <p>BS-AA4xRD 4,11</p> <p>Pin connections: A, B, C, D, E, F, G, DP. NP: 3,7,10,13.</p>	<p>SD-46 BS-$\overset{A}{\underset{C}{\curvearrowright}}$A5xRD</p> <p>Dimensions: 13.60(.535), 25.4(1.00), 33.00(1.299), 22.76(.896), 1.84(.072), 2.54(.100), 5.08(.200), 8.90(.350), 3.00(.118)MIN., 18.00(.708), 0.50(.020).</p> <p>Pin 1. Segments: A1, A2, B, C, D1, D2, E, F, G1, G2, DP1, DP2.</p> <p>BS-AA5xRD 5,15</p> <p>Pin connections: DP1, DP2, A1, A2, B, C, D1, D2, E, F, G1, G2, J, K, L, M, N, P. NP: 11, 1, 2, 18, 17, 14, 8, 12, 7, 4, 6, 16, 3, 20, 19, 13, 10, 9.</p>
<p>SD-47 BS-$\overset{A}{\underset{C}{\curvearrowright}}$B1xRD</p> <p>Dimensions: 17.30(.681), 30.40(1.20), 40.70(1.602), 28.80(1.134), 35.50(1.398), 3.00(.118), 9.00(.354), 3.00(.118)MIN., 2.54(.100), 0.5(.020).</p> <p>Pin 1. Segments: A, B, C, D, E, F, G, DP.</p> <p>BS-AB1xRD 1,8</p> <p>BS-CB1xRD 1,8</p> <p>Pin connections: A, B, C, D, E, F, G, DP. NP: 7, 6, 4, 3, 2, 9, 10, 5.</p>	<p>SD-48 BS-$\overset{A}{\underset{C}{\curvearrowright}}$B2xRD</p> <p>Dimensions: 17.70(.697), 30.40(1.20), 40.70(1.602), 28.80(1.134), 35.50(1.398), 3.00(.118), 9.00(.354), 3.00(.118)MIN., 2.54(.100), 0.5(.020).</p> <p>Pin 1. Segments: A, B, C, D, E, F, G, DP.</p> <p>BS-AB2xRD 1,5</p> <p>BS-CB2xRD 1,5</p> <p>Pin connections: A, B, C, D, E, F, G, DP. NP: 7, 6, 4, 3, 2, 9, 10, 8.</p>

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

2.Tolerance is±0.25mm(.010")
 4.NP:No Pin. 5.NC:No Connect