



# 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 $\lambda_p$ (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										
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		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		



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<p><b>SD-43</b> <b>BS-<math>\overset{A}{\underset{C}{\curvearrowright}}</math>A2xRD</b></p>	<p><b>SD-44</b> <b>BS-<math>\overset{A}{\underset{C}{\curvearrowright}}</math>A3xRD</b></p>
<p><b>SD-45</b> <b>BS-<math>\overset{A}{\underset{C}{\curvearrowright}}</math>A4xRD</b></p>	<p><b>SD-46</b> <b>BS-<math>\overset{A}{\underset{C}{\curvearrowright}}</math>A5xRD</b></p>
<p><b>SD-47</b> <b>BS-<math>\overset{A}{\underset{C}{\curvearrowright}}</math>B1xRD</b></p>	<p><b>SD-48</b> <b>BS-<math>\overset{A}{\underset{C}{\curvearrowright}}</math>B2xRD</b></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