



Single Digit LED Displays BS-A/C Series

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		
	1.00" Single-Digit	BS-AA41RD	BS-CA41RD	GaAsP/Red	655	40	160	40	200	3.4	4.0	2.5	SD-45
		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		
	1.20" Single-Digit	BS-AB21RD	BS-CB21RD	GaAsP/Red	655	40	160	40	200	3.4	4.0	2.5	SD-48
		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			

SD-43 BS-$\overset{A}{\underset{C}{\text{A}}}$2xRD BS-AA2xRD 6,18 NC: 1 NP: 5,8,17,20	SD-44 BS-$\overset{A}{\underset{C}{\text{A}}}$3xRD BS-AA3xRD 4,11 NP: 3,7,10,13
SD-45 BS-$\overset{A}{\underset{C}{\text{A}}}$4xRD BS-AA4xRD 4,11 NP: 3,7,10,13	SD-46 BS-$\overset{A}{\underset{C}{\text{A}}}$5xRD BS-AA5xRD 5,15 NP: 1,2,18,17,14,8,12,7,4,6,16,3,20,19,13,10,9
SD-47 BS-$\overset{A}{\underset{C}{\text{B}}}$1xRD BS-AB1xRD 1,8 BS-CB1xRD 1,8 NP: 7,6,4,3,2,9,10,5	SD-48 BS-$\overset{A}{\underset{C}{\text{B}}}$2xRD BS-AB2xRD 1,5 BS-CB2xRD 1,5 NP: 7,6,4,3,2,9,10,8

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.