



Single Digit LED Displays BS-A/C, BF-A/C Series

16-segment, 7-segment, ± 1 overflow

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.		
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		



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16-segment, 7-segment, ± 1 overflow

SD-25 BS-A₅₆xRD BS-A₅₆xRD 18	SD-26 BS-A₅₆xRD-A BS-A₅₆xRD-A 11
SD-27 BS-A₅₃xRD BS-A₅₃xRD 3,8	SD-28 BS-A₅₄xRD BS-A₅₄xRD 5,6
SD-29 BS-A₅₁xRD BS-A₅₁xRD 3,8	SD-30 BF-A₅₁xRD BF-A₅₁xRD 3,8

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.

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