



Single Digit LED Displays BS-A/C, BF-U 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.		
0.56" Single-Digit	BS-A551RD	BS-C551RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.0	SD-31
	BS-A555RD	BS-C555RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.5	
	BS-A555RE	BS-C555RE										
	BS-A552RD	BS-C552RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0	
	BS-A553RD	BS-C553RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0	
	BS-A554RD	BS-C554RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0	
			GaAsP/GaP/ Orange									
	BS-A556RD	BS-C556RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.0	
BS-A55DRD	BS-C55DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	8.0		
0.56" Single-Digit	BS-A551RD-B	BS-C551RD-B	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.0	SD-32
	BS-A555RD-B	BS-C555RD-B	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.5	
	BS-A555RE-B	BS-C555RE-B										
	BS-A552RD-B	BS-C552RD-B	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0	
	BS-A553RD-B	BS-C553RD-B	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0	
	BS-A554RD-B	BS-C554RD-B	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0	
			GaAsP/GaP/ Orange									
	BS-A556RD-B	BS-C556RD-B	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.0	
BS-A55DRD-B	BS-C55DRD-B	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	8.0		
0.60" Single-Digit	BS-A601RD	BS-C601RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.2	SD-33
	BS-A605RD	BS-C605RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.5	
	BS-A605RE	BS-C605RE										
	BS-A602RD	BS-C602RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0	
	BS-A603RD	BS-C603RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.5	
	BS-A604RD	BS-C604RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0	
			GaAsP/GaP/ Orange									
	BS-A606RD	BS-C606RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.0	
BS-A60DRD	BS-C60DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	8.5		
0.80" Single-Digit	BS-A811RD	BS-C811RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.3	SD-34
	BS-A815RD	BS-C815RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.6	
	BS-A815RE	BS-C815RE										
	BS-A812RD	BS-C812RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.2	
	BS-A813RD	BS-C813RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2	
	BS-A814RD	BS-C814RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.2	
			GaAsP/GaP/ Orange									
	BS-A816RD	BS-C816RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.5	
BS-A81FRD	BS-C81FRD	GaAlAs/ DDH Super Red	660	20	80	30	150	2.0	2.5	12.5		
0.80" Overflow Single-Digit	BF-U811RD		GaAsP/Red	655	40	80	40	200	1.7	2.0	1.3	SD-35
	BF-U815RD		GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.6	
	BF-U815RE											
	BF-U812RD		GaP/ Green	568	30	80	30	150	2.2	2.5	3.2	
	BF-U813RD		GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2	
	BF-U814RD		GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.2	
			GaAsP/GaP/ Orange									
	BF-U816RD		GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.5	
BF-U81DRD		GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	9.0		
Alpha-Numeric Single-Digit	BS-A821RD	BS-C821RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.3	SD-36
	BS-A825RD	BS-C825RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.6	
	BS-A825RE	BS-C825RE										
	BS-A822RD	BS-C822RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.2	
	BS-A823RD	BS-C823RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2	
	BS-A824RD	BS-C824RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.2	
			GaAsP/GaP/ Orange									
	BS-A826RD	BS-C826RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.5	
BS-A82DRD	BS-C82DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	9.0		



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16-segment, 7-segment, ± 1 overflow

SD-31 BS-A₅₅xRD BS-A₅₅xRD 3.8 BS-C₅₅xRD 3.8	SD-32 BS-A₅₅xRD-B BS-A₅₅xRD-B 3.8 BS-C₅₅xRD-B 3.8
SD-33 BS-A₆₀xRD BS-A₆₀xRD 5.10 BS-C₆₀xRD 5.10	SD-34 BS-A₈₁xRD BS-A₈₁xRD 3,5,11,16 BS-C₈₁xRD 3,5,11,16
SD-35 BF-U81xRD BF-U81xRD 1.8 BF-C₈₁xRD 9,15	SD-36 BS-A₈₂xRD BS-A₈₂xRD 11

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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