



# Single Digit LED Displays 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 $\lambda_p$ (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-A811BD	BS-C811BD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.3	SD-34
	BS-A815BD	BS-C815BD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.6	
	BS-A815BE	BS-C815BE										
	BS-A812BD	BS-C812BD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.2	
	BS-A813BD	BS-C813BD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2	
	BS-A814BD	BS-C814BD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.2	
			GaAsP/GaP/ Orange									
	BS-A816BD	BS-C816BD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.5	
BS-A81FBD	BS-C81FBD	GaAlAs/ DDH Super Red	660	20	80	30	150	2.0	2.5	12.5		
0.80" Overflow Single-Digit	BF-U811BD		GaAsP/Red	655	40	80	40	200	1.7	2.0	1.3	SD-35
	BF-U815BD		GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.6	
	BF-U815BE											
	BF-U812BD		GaP/ Green	568	30	80	30	150	2.2	2.5	3.2	
	BF-U813BD		GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2	
	BF-U814BD		GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.2	
			GaAsP/GaP/ Orange									
	BF-U816BD		GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.5	
BF-U81DBD		GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	9.0		
0.80" 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		



<p><b>SD-31</b> <b>BS-A<sub>C</sub>55xRD</b></p> <p>Technical drawing showing dimensions and pin configurations for BS-A55xRD and BS-C55xRD. Dimensions include 8.00(315) width, 14.20(560) height, and 12.70(500) pin pitch. Pin 1 is marked with a '+' sign. Segment labels A-G and DP are shown.</p>	<p><b>SD-32</b> <b>BS-A<sub>C</sub>55xRD-B</b></p> <p>Technical drawing showing dimensions and pin configurations for BS-A55xRD-B and BS-C55xRD-B. Dimensions include 8.00(315) width, 14.20(560) height, and 12.50(492) pin pitch. Pin 1 is marked with a '+' sign. Segment labels A-G and DP are shown.</p>
<p><b>SD-33</b> <b>BS-A<sub>C</sub>60xRD</b></p> <p>Technical drawing showing dimensions and pin configurations for BS-A60xRD and BS-C60xRD. Dimensions include 9.00(355) width, 15.00(600) height, and 17.90(705) pin pitch. Pin 1 is marked with a '+' sign. Segment labels A-G and DP are shown.</p>	<p><b>SD-34</b> <b>BS-A<sub>C</sub>81xBD</b></p> <p>Technical drawing showing dimensions and pin configurations for BS-A81xBD and BS-C81xBD. Dimensions include 11.00(433) width, 20.40(80) height, and 19.90(783) pin pitch. Pin 1 is marked with a '+' sign. Segment labels A-G and DP are shown.</p>
<p><b>SD-35</b> <b>BF-U81xBD</b></p> <p>Technical drawing showing dimensions and pin configurations for BF-U81xBD. Dimensions include 20.40(800) width, 27.70(1,091) height, and 19.90(783) pin pitch. Pin 1 is marked with a '+' sign. Segment labels A-G and DP are shown.</p>	<p><b>SD-36</b> <b>BS-A<sub>C</sub>82xRD</b></p> <p>Technical drawing showing dimensions and pin configurations for BS-A82xRD. Dimensions include 11.00(433) width, 20.32(800) height, and 20.20(795) pin pitch. Pin 1 is marked with a '+' sign. Segment labels A1-A2, B, C, D1-D2, E, F, G1-G2, J, K, L, M, N, P, DP are shown.</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