



# SINGLE DIGIT LED DISPLAYS

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		GaP/ Green	568	30	80	30	150	2.2	2.5	
	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		GaP/ Green	568	30	80	30	150	2.2	2.5	
	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		GaP/ Green	568	30	80	30	150	2.2	2.5	
	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		GaP/ Green	568	30	80	30	150	2.2	2.5	
	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			GaP/ Green	568	30	80	30	150	2.2	2.5	
	BF-U812RD		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		
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		GaP/ Green	568	30	80	30	150	2.2	2.5	
	BS-A822RD	BS-C822RD	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		

# SINGLE DIGIT LED DISPLAYS

SD-31 BS-A <sub>C</sub> 55xRD	SD-32 BS-A <sub>C</sub> 55xRD-B
<p>Dimensions: 8.00(.315) width, 14.20(.560) height, 19.00(.748) total height, 12.70(.500) base width, 1.2(.047) base offset, 1.5(.063) diameter, 8° angle.</p> <p>Pinout: A, B, C, D, E, F, G, DP. Pin numbers: 7, 6, 4, 2, 1, 9, 10, 5.</p>	<p>Dimensions: 8.00(.315) width, 14.20(.560) height, 18.00(.709) total height, 12.50(.492) base width, 1.2(.047) base offset, 1.7(.067) diameter, 10° angle.</p> <p>Pinout: A, B, C, D, E, F, G, DP. Pin numbers: 7, 6, 4, 2, 1, 9, 10, 5.</p>
SD-33 BS-A <sub>C</sub> 60xRD	SD-34 BS-A <sub>C</sub> 81xRD
<p>Dimensions: 9.00(.355) width, 15.00(.600) height, 24.90(.980) total height, 17.90(.705) base width, 2.0(.079) diameter, 10° angle.</p> <p>Pinout: A, B, C, D, E, F, G, RDP. Pin numbers: 7, 6, 3, 2, 1, 9, 8, 4.</p>	<p>Dimensions: 11.00(.433) width, 20.40(.80) height, 27.70(1.090) total height, 19.90(.783) base width, 2.30(.091) diameter, 8° angle.</p> <p>Pinout: LDP, A, B, C, D, E, F, G, RDP. Pin numbers: 6, 1, 14, 12, 10, 4, 2, 13, 9.</p> <p>NP: 7,8,15.</p>
SD-35 BF-U81xRD	SD-36 BS-A <sub>C</sub> 82xRD
<p>Dimensions: 8.00(.315) width, 20.40(.800) height, 27.70(1.091) total height, 19.90(.783) base width, 2.4(.094) diameter, 8° angle.</p> <p>Pinout: B, C, G, H, J, LDP, RDP. Pin numbers: 16, 11, 4, 3, 5, 7.</p> <p>NC: 1,8. NP: 9,15.</p>	<p>Dimensions: 11.00(.433) width, 20.32(.800) height, 27.70(1.091) total height, 20.20(.795) base width, 2.2(.087) diameter, 8° angle.</p> <p>Pinout: A1, A2, B, C, D1, D2, E, F, G1, G2, J, K, L, M, N, P, DP. Pin numbers: 1, 18, 16, 13, 9, 10, 8, 4, 5, 15, 3, 2, 17, 14, 6, 7, 12.</p>

NOTES: 1.All Dimensions are in millimeters(inches). 2.Tolerance is ±0.25mm(.010"). 3.Specifications are subject to change without notice. 4.NP:No Pin. 5.NC:No Connect.