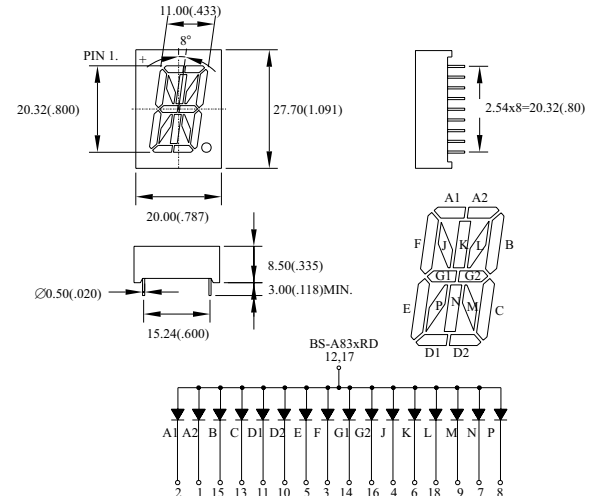
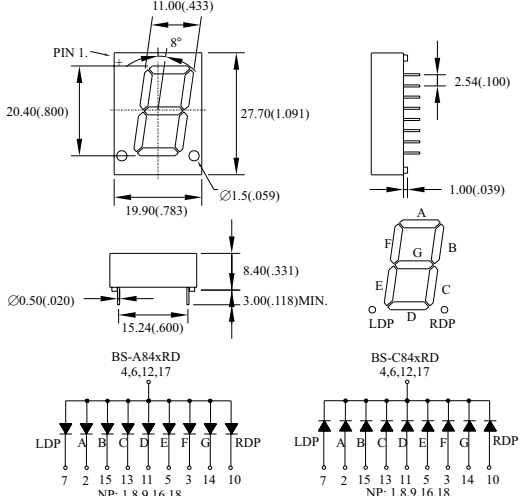
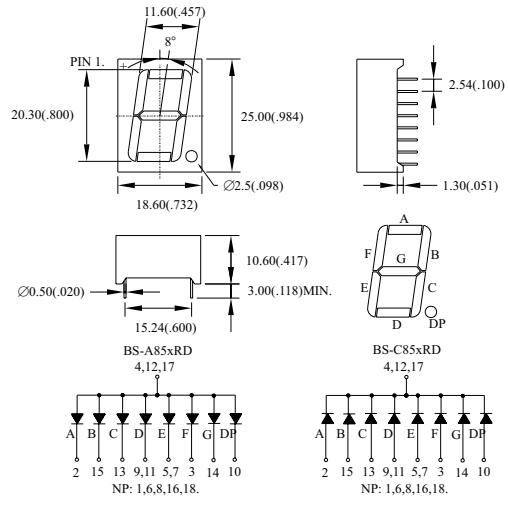
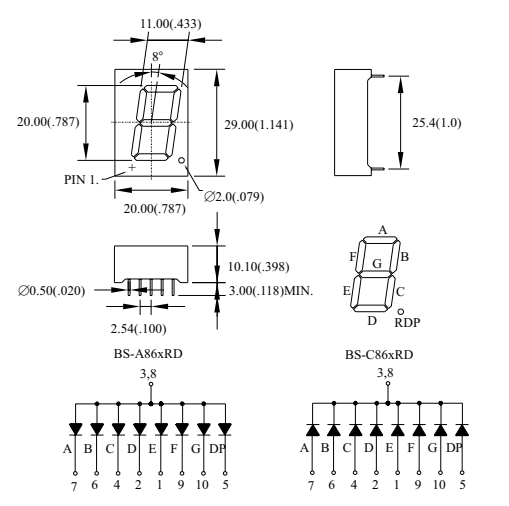
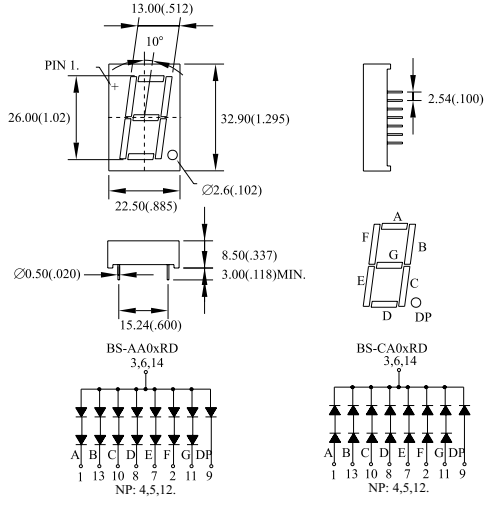
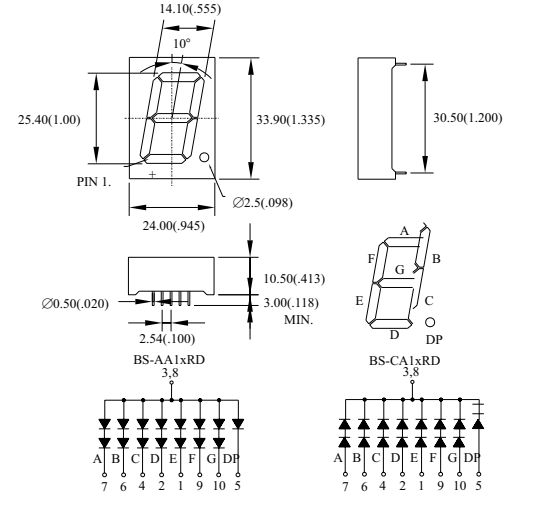




SINGLE DIGIT LED DISPLAYS

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 λ_p (nm)	$\Delta \lambda$ (nm)	Pd (mw)	If (mA)	Ifp (mA)	Vf (v)		Iv. Typ. Per.Seg. (mcd)	
									Typ.	Max.		
0.80" Alpha-Numeric Displays	BS-A831RD	BS-C831RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.3	SD-37
	BS-A835RD	BS-C835RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.6	
	BS-A835RE	BS-C835RE										
	BS-A832RD	BS-C832RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.2	
	BS-A833RD	BS-C833RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2	
	BS-A834RD	BS-C834RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.2	
			GaAsP/GaP/ Orange									
BS-A836RD	BS-C836RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.5		
BS-A83DRD	BS-C83DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	8.5		
0.80" Single-Digit	BS-A841RD	BS-C841RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.3	SD-38
	BS-A845RD	BS-C845RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.6	
	BS-A845RE	BS-C845RE										
	BS-A842RD	BS-C842RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.2	
	BS-A843RD	BS-C843RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2	
	BS-A844RD	BS-C844RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.2	
			GaAsP/GaP/ Orange									
BS-A846RD	BS-C846RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.5		
BS-A84FRD	BS-C84FRD	GaAlAs/ DDH Super Red	660	20	80	30	150	2.0	2.5	12.5		
0.80" Single-Digit	BS-A851RD	BS-C851RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.3	SD-39
	BS-A855RD	BS-C855RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.6	
	BS-A855RE	BS-C855RE										
	BS-A852RD	BS-C852RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.2	
	BS-A853RD	BS-C853RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2	
	BS-A854RD	BS-C854RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.2	
			GaAsP/GaP/ Orange									
BS-A856RD	BS-C856RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.5		
BS-A85FRD	BS-C85FRD	GaAlAs/ DDH Super Red	660	20	80	30	150	2.0	2.5	12.5		
0.80" Single-Digit	BS-A861RD	BS-C861RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	1.3	SD-40
	BS-A865RD	BS-C865RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.6	
	BS-A865RE	BS-C865RE										
	BS-A862RD	BS-C862RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.2	
	BS-A863RD	BS-C863RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2	
	BS-A864RD	BS-C864RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.2	
			GaAsP/GaP/ Orange									
BS-A866RD	BS-C866RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	7.5		
BS-A86FRD	BS-C86FRD	GaAlAs/ DDH Super Red	660	20	80	30	150	2.0	2.5	12.5		
1.00" Single-Digit	BS-AA01RD	BS-CA01RD	GaAsP/Red	655	40	160	40	200	3.4	4.0	2.5	SD-41
	BS-AA05RD	BS-CA05RD	GaP/ Bright Red	700	90	80	15	50	4.4	5.0	3.5	
	BS-AA05RE	BS-CA05RE										
	BS-AA02RD	BS-CA02RD	GaP/ Green	568	30	160	30	150	4.4	5.0	5.0	
	BS-AA03RD	BS-CA03RD	GaAsP/GaP/ Yellow	585	35	160	30	150	4.2	5.0	4.0	
	BS-AA04RD	BS-CA04RD	GaAsP/GaP/ Hi-Eff.Red	635	45	160	30	150	4.0	5.0	5.0	
			GaAsP/GaP/ Orange									
BS-AA06RD	BS-CA06RD	GaAlAs/ SH Super Red	660	20	160	30	150	3.4	5.0	10.0		
BS-AA0FRD	BS-CA0FRD	GaAlAs/ DDH Super Red	660	20	160	30	150	4.0	5.0	15.0		
1.00" Single-Digit	BS-AA11RD	BS-CA11RD	GaAsP/Red	655	40	160	40	200	3.4	4.0	2.5	SD-42
	BS-AA15RD	BS-CA15RD	GaP/ Bright Red	700	90	80	15	50	4.4	5.0	3.5	
	BS-AA15RE	BS-CA15RE										
	BS-AA12RD	BS-CA12RD	GaP/ Green	568	30	160	30	150	4.4	5.0	5.0	
	BS-AA13RD	BS-CA13RD	GaAsP/GaP/ Yellow	585	35	160	30	150	4.2	5.0	4.0	
	BS-AA14RD	BS-CA14RD	GaAsP/GaP/ Hi-Eff.Red	635	45	160	30	150	4.0	5.0	5.0	
			GaAsP/GaP/ Orange									
BS-AA16RD	BS-CA16RD	GaAlAs/ SH Super Red	660	20	160	30	150	3.4	5.0	10.0		
BS-AA1FRD	BS-CA1FRD	GaAlAs/ DDH Super Red	660	20	160	30	150	4.0	5.0	15.0		

SINGLE DIGIT LED DISPLAYS

SD-37 BS-A _C 83xRD	SD-38 BS-A _C 84xRD
 <p>Dimensions: 11.00(433), 20.32(.800), 27.70(1.091), 20.00(.787), 8.50(.335), 3.00(.118)MIN., 15.24(.600), 2.54x8=20.32(.80), 19.90(.783), 1.00(.039), 1.5(0.059), 8.40(.331), 3.00(.118)MIN., 15.24(.600).</p> <p>Pinout: A1, A2, B, C, D1, D2, E, F, G1, G2, K, L, M, N, P, D1, D2.</p> <p>BS-A83xRD 4,6,12,17</p>	 <p>Dimensions: 11.00(433), 20.40(.800), 27.70(1.091), 19.90(.783), 1.00(.039), 1.5(0.059), 8.40(.331), 3.00(.118)MIN., 15.24(.600).</p> <p>Pinout: A, B, C, D, E, F, G, RDP, LDP, A, B, C, D, E, F, G, RDP.</p> <p>BS-A84xRD 4,6,12,17</p> <p>BS-C84xRD 4,6,12,17</p> <p>NP: 1,8,9,16,18.</p>
SD-39 BS-A _C 85xRD	SD-40 BS-A _C 86xRD
 <p>Dimensions: 11.60(457), 20.30(.800), 25.00(.984), 18.60(.732), 2.54(1.00), 1.30(.051), 10.60(.417), 3.00(.118)MIN., 15.24(.600).</p> <p>Pinout: A, B, C, D, E, F, G, DP, A, B, C, D, E, F, G, DP.</p> <p>BS-A85xRD 4,12,17</p> <p>BS-C85xRD 4,12,17</p> <p>NP: 1,6,8,16,18.</p>	 <p>Dimensions: 11.00(433), 20.00(.787), 29.00(1.141), 25.4(1.0), 20.00(.787), 2.0(0.079), 10.10(.398), 3.00(.118)MIN., 2.54(1.00), 3.8.</p> <p>Pinout: A, B, C, D, E, F, G, DP, A, B, C, D, E, F, G, DP.</p> <p>BS-A86xRD 4,12,17</p> <p>BS-C86xRD 4,12,17</p> <p>NP: 1,6,8,16,18.</p>
SD-41 BS-A _C A0xRD	SD-42 BS-A _C A1xRD
 <p>Dimensions: 13.00(.512), 26.00(1.02), 32.90(1.295), 22.50(.885), 2.54(1.00), 8.50(.337), 3.00(.118)MIN., 15.24(.600).</p> <p>Pinout: A, B, C, D, E, F, G, DP, A, B, C, D, E, F, G, DP.</p> <p>BS-AA0xRD 3,6,14</p> <p>BS-CA0xRD 3,6,14</p> <p>NP: 4,5,12.</p>	 <p>Dimensions: 14.10(.555), 25.40(1.00), 33.90(1.335), 30.50(1.200), 14.10(.555), 10° angle, 24.00(.945), 10.50(.413), 3.00(.118)MIN., 2.54(1.00), 3.8.</p> <p>Pinout: A, B, C, D, E, F, G, DP, A, B, C, D, E, F, G, DP.</p> <p>BS-AA1xRD 3,8</p> <p>BS-CA1xRD 3,8</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.