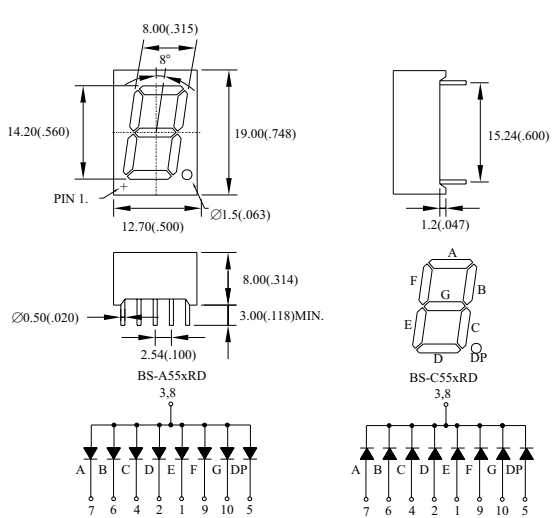
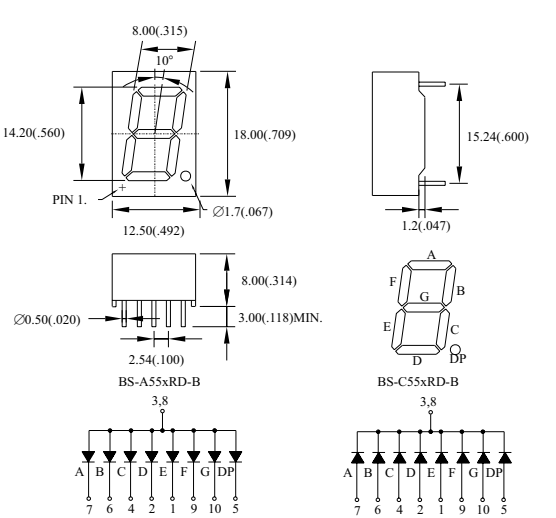
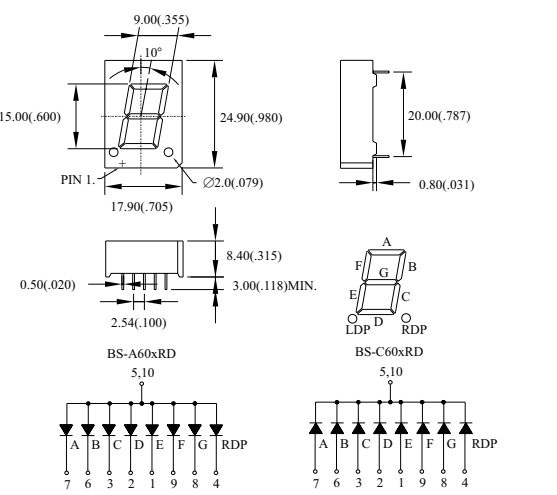
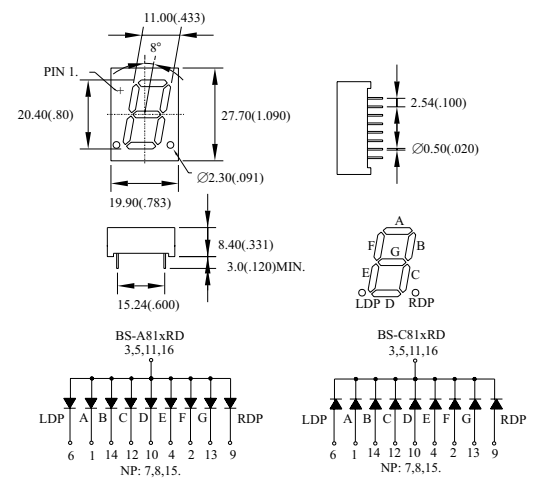
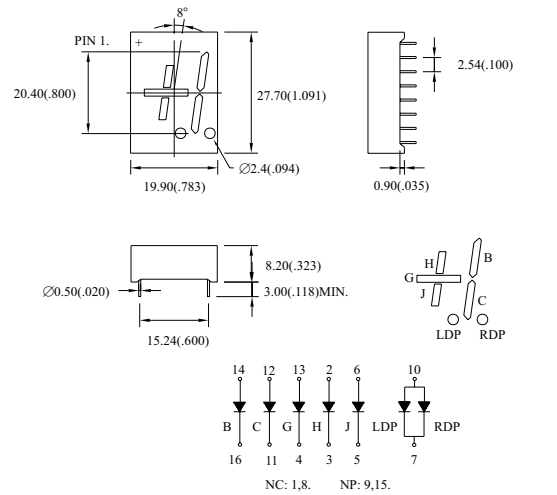
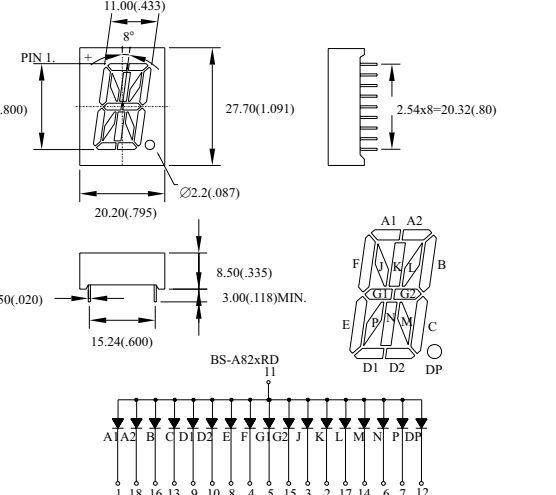


SINGLE DIGIT LED DISPLAYS

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.		
0.56" 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		

SD-31 BS-A_C55xRD  Top view: 8.00(.315) width, 14.20(.560) height, 12.70(.500) pin pitch, 19.00(.748) total height, 8° viewing angle, PIN 1. Bottom view: 1.2(.047) pin width, 15.24(.600) total height, 1.2(.047) pin pitch, 8.00(.314) pin height, 3.00(.118)MIN. pin height, 2.54(.100) pin pitch, 3.8 pin pitch, 7 pins (A, B, C, D, E, F, G), DP.	SD-32 BS-A_C55xRD-B  Top view: 8.00(.315) width, 14.20(.560) height, 12.50(.492) pin pitch, 18.00(.709) total height, 10° viewing angle, PIN 1. Bottom view: 1.2(.047) pin width, 15.24(.600) total height, 1.2(.047) pin pitch, 8.00(.314) pin height, 3.00(.118)MIN. pin height, 2.54(.100) pin pitch, 3.8 pin pitch, 7 pins (A, B, C, D, E, F, G), DP.
SD-33 BS-A_C60xRD  Top view: 9.00(.355) width, 15.00(.600) height, 17.90(.705) pin pitch, 24.90(.980) total height, 10° viewing angle, PIN 1. Bottom view: 0.80(.031) pin width, 20.00(.787) total height, 0.80(.031) pin pitch, 8.40(.315) pin height, 3.00(.118)MIN. pin height, 2.54(.100) pin pitch, 5.10 pin pitch, 7 pins (A, B, C, D, E, F, G), RDP.	SD-34 BS-A_C81xRD  Top view: 11.00(.433) width, 20.40(.80) height, 19.90(.783) pin pitch, 27.70(1.090) total height, 8° viewing angle, PIN 1. Bottom view: 2.54(.100) pin width, 20.40(.80) total height, 2.54(.100) pin pitch, 8.40(.331) pin height, 3.0(.120)MIN. pin height, 2.54(.100) pin pitch, 3.5, 11, 16 pin pitch, 14 pins (A, B, C, D, E, F, G, H, I, J, K, L, M, N), RDP.
SD-35 BF-U81xRD  Top view: 20.40(.800) width, 27.70(1.091) height, 19.90(.783) pin pitch, 22.4(.094) pin pitch, 8° viewing angle, PIN 1. Bottom view: 0.90(.035) pin width, 2.54(.100) pin pitch, 8.20(.323) pin height, 3.00(.118)MIN. pin height, 2.54(.100) pin pitch, 15.24(.600) pin pitch, 14 pins (A, B, C, D, E, F, G, H, I, J, K, L, M, N), RDP.	SD-36 BS-A_C82xRD  Top view: 11.00(.433) width, 20.32(.800) height, 20.20(.795) pin pitch, 27.70(1.091) total height, 8° viewing angle, PIN 1. Bottom view: 2.54x8=20.32(.80) pin width, 20.32(.800) total height, 2.54x8=20.32(.80) pin pitch, 8.50(.335) pin height, 3.00(.118)MIN. pin height, 2.54(.100) pin pitch, 15.24(.600) pin pitch, 18 pins (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R), RDP.

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.