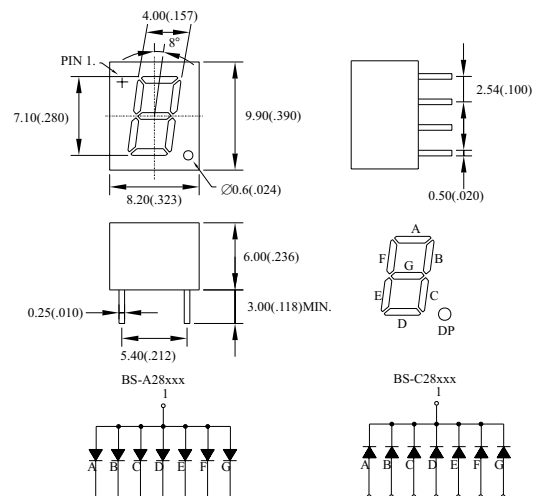
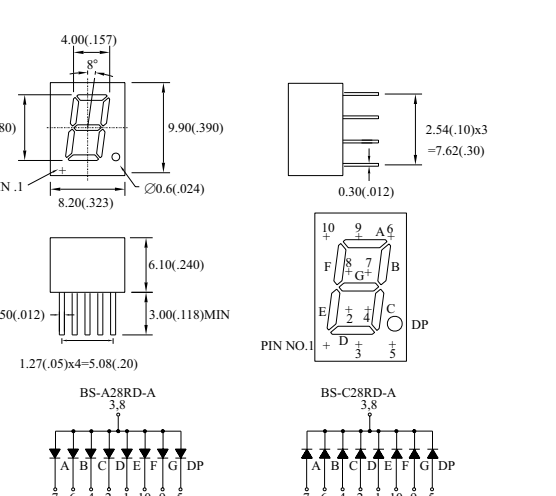
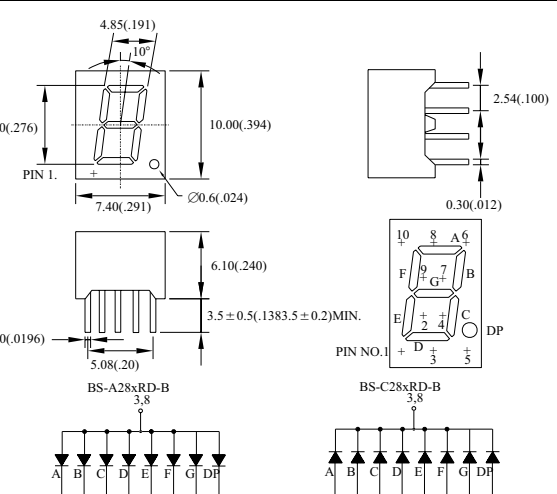
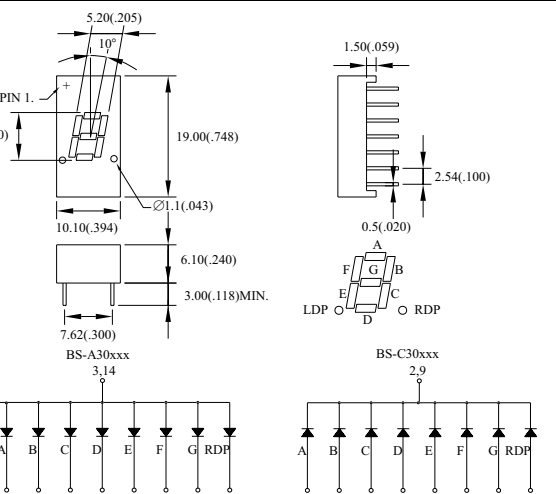
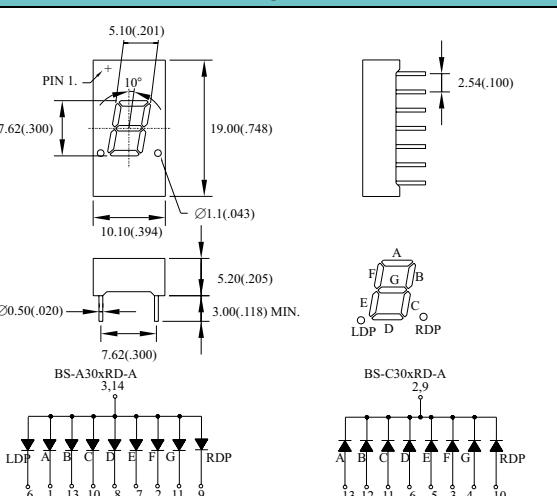
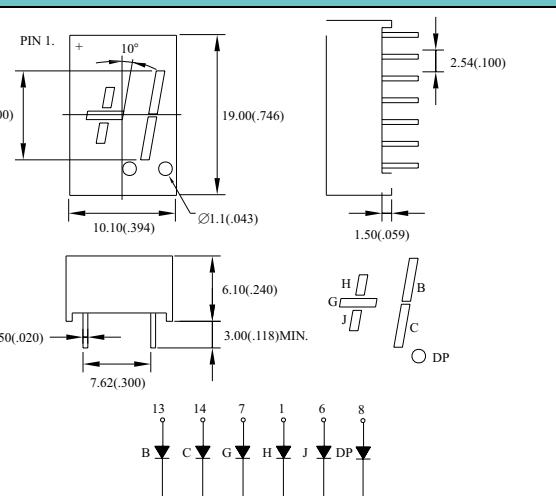


Digit Size	Part No.		Chip		Absolute Maximum Ratings				Electro-optical Data(At 10mA)			Drawing No.
	Common Anode	Common Cathode	Material/Emitted Color	Peak Wave Length λ_p (nm)	$\Delta \lambda$ (nm)	Pd (mw)	If (mA)	Ifp (mA)	Vf (v)		Iv. Typ. Per.Seg. (mcd)	
									Typ.	Max.		
0.28" Single Digit	BS-A281ND	BS-C281ND	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	SD-01
	BS-A285ND	BS-C285ND	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2	
	BS-A285NE	BS-C285NE										
	BS-A282ND	BS-C282ND	GaP/ Green	568	30	80	30	150	2.2	2.5	2.8	
	BS-A283ND	BS-C283ND	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2	
	BS-A284ND	BS-C284ND	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	2.8	
			GaAsP/GaP/ Orange									
	BS-A286ND	BS-C286ND	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	5.0	
	BS-A28DND	BS-C28DND	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	6.0	
	BS-A281RD-A	BS-C281RD-A	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	SD-02
	BS-A285RD-A	BS-C285RD-A	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2	
	BS-A285RE-A	BS-C285RE-A										
	BS-A282RD-A	BS-C282RD-A	GaP/ Green	568	30	80	30	150	2.2	2.5	2.8	
	BS-A283RD-A	BS-C283RD-A	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2	
	BS-A284RD-A	BS-C284RD-A	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	2.8	
			GaAsP/GaP/ Orange									
	BS-A286RD-A	BS-C286RD-A	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	5.0	
	BS-A28DRD-A	BS-C28DRD-A	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	6.0	
	BS-A281RD-B	BS-C281RD-B	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	SD-03
	BS-A285RD-B	BS-C285RD-B	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2	
	BS-A285RE-B	BS-C285RE-B										
	BS-A282RD-B	BS-C282RD-B	GaP/ Green	568	30	80	30	150	2.2	2.5	2.8	
	BS-A283RD-B	BS-C283RD-B	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2	
	BS-A284RD-B	BS-C284RD-B	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	2.8	
			GaAsP/GaP/ Orange									
	BS-A286RD-B	BS-C286RD-B	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	5.0	
	BS-A28DRD-B	BS-C28DRD-B	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	6.0	
0.3" Single- Digit	BS-A301RD	BS-C301RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	SD-04
	BS-A305RD	BS-C305RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2	
	BS-A305RE	BS-C305RE										
	BS-A302RD	BS-C302RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0	
	BS-A303RD	BS-C303RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0	
	BS-A304RD	BS-C304RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0	
			GaAsP/GaP/ Orange									
	BS-A306RD	BS-C306RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.0	
	BS-A30DRD	BS-C30DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.0	
	BS-A301RD-A	BS-C301RD-A	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	SD-05
	BS-A305RD-A	BS-C305RD-A	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2	
	BS-A305RE-A	BS-C305RE-A										
	BS-A302RD-A	BS-C302RD-A	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0	
	BS-A303RD-A	BS-C303RD-A	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0	
	BS-A304RD-A	BS-C304RD-A	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0	
			GaAsP/GaP/ Orange									
	BS-A306RD-A	BS-C306RD-A	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.0	
	BS-A30DRD-A	BS-C30DRD-A	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.0	
0.3" Overflow Single-Digit	BF-U301RD		GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	SD-06
	BF-U305RD		GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2	
	BF-U305RE											
	BF-U302RD		GaP/ Green	568	30	80	30	150	2.2	2.5	3.0	
	BF-U303RD		GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0	
	BF-U304RD		GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0	
			GaAsP/GaP/ Orange									
	BF-U306RD		GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.0	
BF-U30DRD		GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.0		

SD-01 BS-A_C28xND  Dimensions: 4.00(.157), 8°, 7.10(.280), 9.90(.390), 8.20(.323), Ø0.6(.024), 2.54(.100), 0.50(.020), 6.00(.236), 3.00(.118)MIN., 0.25(.010), 5.40(.212). Pinout: A, B, C, D, E, F, G, DP. Pin 1. BS-A28xxx, BS-C28xxx	SD-02 BS-A_C28RD-A  Dimensions: 4.00(.157), 8°, 7.10(.280), 9.90(.390), 8.20(.323), Ø0.6(.024), 2.54(.100)x3=7.62(.30), 0.30(.012), 6.10(.240), 3.00(.118)MIN., 0.50(.012), 1.27(.05)x4=5.08(.20). Pinout: A, B, C, D, E, F, G, DP. Pin 1. BS-A28RD-A, BS-C28RD-A
SD-03 BS-A_C28xRD-B  Dimensions: 4.85(.191), 10°, 7.00(.276), 10.00(.394), 7.40(.291), Ø0.6(.024), 2.54(.100), 0.30(.012), 6.10(.240), 3.5±0.5(.1383.5±0.2)MIN., 0.50(.0196), 5.08(.20). Pinout: A, B, C, D, E, F, G, DP. Pin 1. BS-A28xRD-B, BS-C28xRD-B	SD-04 BS-A_C30xRD  Dimensions: 5.20(.205), 10°, 7.62(.300), 19.00(.748), 10.10(.394), Ø1.1(.043), 6.10(.240), 3.00(.118)MIN., 7.62(.300), 1.50(.059), 2.54(.100), 0.5(.020). Pinout: A, B, C, D, E, F, G, RDP. Pin 1. BS-A30xxx, BS-C30xxx
SD-05 BS-A_C30xRD-A  Dimensions: 5.10(.201), 10°, 7.62(.300), 19.00(.748), 10.10(.394), Ø1.1(.043), 5.20(.205), 3.00(.118)MIN., 7.62(.300), Ø0.50(.020). Pinout: A, B, C, D, E, F, G, RDP. Pin 1. BS-A30xRD-A, BS-C30xRD-A	SD-06 BF-U30xRD  Dimensions: 7.62(.300), 10°, 19.00(.746), 10.10(.394), Ø1.1(.043), 6.10(.240), 3.00(.118)MIN., 7.62(.300), 1.50(.059), 2.54(.100). Pinout: A, B, C, D, E, F, G, H, J, DP. Pin 1. NP: 2,9.

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.