



# 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.			
0.36" Overflow Single-Digit	BF-A321RD	BF-C321RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	SD-13	
	BF-A325RD	BF-C325RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2		
	BF-A325RE	BF-C325RE											
	BF-A322RD	BF-C322RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0		
	BF-A323RD	BF-C323RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0		
	BF-A324RD	BF-C324RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0		
			GaAsP/GaP/ Orange										
	BF-A326RD	BF-C326RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.0		
BF-A32DRD	BF-C32DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.0			
0.39" Single-Digit	BS-A341RD	BS-C341RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	SD-14	
	BS-A345RD	BS-C345RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2		
	BS-A345RE	BS-C345RE											
	BS-A342RD	BS-C342RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0		
	BS-A343RD	BS-C343RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0		
	BS-A344RD	BS-C344RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0		
			GaAsP/GaP/ Orange										
	BS-A346RD	BS-C346RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.0		
	BS-A34DRD	BS-C34DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.0		
	0.39" Single-Digit	BS-A341RD-A	BS-C341RD-A	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	SD-15
		BS-A345RD-A	BS-C345RD-A	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2	
		BS-A345RE-A	BS-C345RE-A										
		BS-A342RD-A	BS-C342RD-A	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0	
		BS-A343RD-A	BS-C343RD-A	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0	
BS-A344RD-A		BS-C344RD-A	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0		
			GaAsP/GaP/ Orange										
BS-A346RD-A		BS-C346RD-A	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.0		
BS-A34DRD-A	BS-C34DRD-A	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.0			
0.39" Alpha-Numeric Displays	BS-A311RD-B	BS-C311RD-B	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	SD-16	
	BS-A315RD-B	BS-C315RD-B	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2		
	BS-A315RE-B	BS-C315RE-B											
	BS-A312RD-B	BS-C312RD-B	GaP/ Green	568	30	80	30	150	2.2	2.5	2.8		
	BS-A313RD-B	BS-C313RD-B	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.2		
	BS-A314RD-B	BS-C314RD-B	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	2.8		
			GaAsP/GaP/ Orange										
BS-A316RD-B	BS-C316RD-B	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	5.0			
BS-A31DRD-B	BS-C31DRD-B	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	10.0			
0.40" Single-Digit	BS-A401RD	BS-C401RD	GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	SD-17	
	BS-A405RD	BS-C405RD	GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2		
	BS-A405RE	BS-C405RE											
	BS-A402RD	BS-C402RD	GaP/ Green	568	30	80	30	150	2.2	2.5	3.0		
	BS-A403RD	BS-C403RD	GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0		
	BS-A404RD	BS-C404RD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0		
			GaAsP/GaP/ Orange										
	BS-A406RD	BS-C406RD	GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.0		
BS-A40DRD	BS-C40DRD	GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.0			
0.40" Overflow Single-Digit	BF-U401RD		GaAsP/Red	655	40	80	40	200	1.7	2.0	0.6	SD-18	
	BF-U405RD		GaP/ Bright Red	700	90	40	15	50	2.2	2.5	1.2		
	BF-U405RE												
	BF-U402RD		GaP/ Green	568	30	80	30	150	2.2	2.5	3.0		
	BF-U403RD		GaAsP/GaP/ Yellow	585	35	80	30	150	2.1	2.5	2.0		
	BF-U404RD		GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	3.0		
			GaAsP/GaP/ Orange										
	BF-U406RD		GaAlAs/ SH Super Red	660	20	80	30	150	1.7	2.5	6.0		
BF-U40DRD		GaAlAs/ DH Super Red	660	20	80	30	150	1.7	2.5	7.0			

# SINGLE DIGIT LED DISPLAYS

SD-13      BF- $\frac{A}{C}$ 32xRD	SD-14      BS- $\frac{A}{C}$ 34xRD
<p>BF-A32xRD 1.6 BF-C32xRD 1.6 NC: 4,5,10.</p>	<p>BS-A34xRD 3.8 BS-C34xRD 3.8</p>
SD-15      BS- $\frac{A}{C}$ 34xRD-A	SD-16      BS- $\frac{A}{C}$ 34xRD-B
<p>BS-A34xRD-A 1.6 BS-C34xRD-A 1.6</p>	<p>BS-A34xRD-B 4.13, 1.7</p>
SD-17      BS- $\frac{A}{C}$ 40xRD	SD-18      BF-U40xRD
<p>BS-A40xxx 3.14 BS-C40xxx 4.12 NP: 3,5,10,11.</p>	<p>NP: 2,9.</p>

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