



MULTI-COLOR 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.		
2.30" Single-Digit	BS-AD1EGRD	BS-CD1EGRD	GaAsP/GaP/ Hi-Eff.Red	635	45	312	30	150	8.0	10.0	12.0	SD-77
			GaP/ Green	568	30	312	30	150	8.8	10.0	12.0	
3.00" Single-Digit	BS-AF1EGRD	BS-CF1EGRD	GaAsP/GaP/ Hi-Eff.Red	635	45	312	30	150	8.0	10.0	12.0	SD-78
			GaP/ Green	568	30	312	30	150	8.8	10.0	12.0	

SD-77 **BS-^A_CD1EGRD**

BS-AD1EGRD dimensions: 31.90(1.256) top width, 10° angle, 56.90(2.240) height, 69.70(2.744) total height, 47.70(1.878) bottom width, PIN 1, $\varnothing 5.5(0.217)$ pin diameter.

BS-CD1EGRD dimensions: 59.80(2.354) height, 12.00(0.472) pin height, 3.00(0.118) MIN. pin spacing, $\varnothing 0.50(0.020)$ pin diameter, 2.54(0.100) pin pitch.

Electrical diagrams show 8 segments (A-G, DP) with 10 pins (1-10). Pin 1 is common anode, pins 2-9 are cathodes for segments A-G, and pin 10 is DP. Red LEDs are connected to pins 1, 2, 3, 4, 5, 6, 7, 8. Green LEDs are connected to pins 1, 2, 3, 4, 5, 6, 7, 8.

SD-78 **BS-^A_CF1EGRD**

BS-AD1EGRD dimensions: 43.5(1.71) top width, 8° angle, 76.0(2.99) height, 90.0(3.54) total height, 62.5(2.46) bottom width, PIN 1, $\varnothing 6.0(0.236)$ pin diameter.

BS-CD1EGRD dimensions: 81.28(3.20) height, 14.0(0.551) pin height, 3.00(0.118) MIN. pin spacing, $\varnothing 0.50(0.020)$ pin diameter, 2.54x8(.100x8)=20.32(.800) pin pitch.

Electrical diagrams show 8 segments (A-G, DP) with 14 pins (1-14). Pin 1 is common anode, pins 2-13 are cathodes for segments A-G, and pin 14 is DP. Red LEDs are connected to pins 1, 2, 3, 4, 5, 6, 7, 8. Green LEDs are connected to pins 1, 2, 3, 4, 5, 6, 7, 8.

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.