



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.		
0.80" Single-Digit	BS-A85EGRD	BS-C85EGRD	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.2	2.5	2.5	SD-69
			GaP/ Green	568	30	80	30	150	2.0	2.5	3.0	
1.00" Single-Digit	BS-AA1EGRD	BS-CA1EGRD	GaAsP/GaP/ Hi-Eff.Red	635	45	160	30	150	2.4	5.0	5.5	SD-70
			GaP/ Green	568	30	160	30	150	2.4	5.0	5.5	

SD-69 BS-A85EGRD

BS-A85EGRD

Dimensions: 11.60(457) top width, 20.30(.800) height, 18.60(.732) bottom width, 25.00(.984) total height, 8° angle, PIN 1, 2.54(.100) pin pitch, 1.30(.051) pin width, 18.60(.732) bottom width, $\varnothing 2.5(.098)$ hole diameter.

BS-C85EGRD

Dimensions: 10.60(.417) height, 15.24(.600) width, 3.00(.118)MIN. pin length, $\varnothing 0.50(.020)$ hole diameter.

Pinout: A (2,1), B (17,16), C (13,12), D (9,8), E (6,7), F (3,4), G (15,14), NC: 10,11. LED colors: GREEN, RED.

SD-70 BS-AA1EGRD

BS-AA1EGRD

Dimensions: 14.10(.555) top width, 25.40(1.00) height, 24.00(.945) bottom width, 33.90(1.335) total height, 10° angle, PIN 1, 2.54(.100) pin pitch, 30.50(1.200) pin length, $\varnothing 2.5(.098)$ hole diameter.

BS-CA1EGRD

Dimensions: 10.50(.413) height, 2.54(.100) pin length, $\varnothing 0.50(.020)$ hole diameter.

Pinout: A (7), B (6), C (4), D (3), E (2), F (9), G (10), DP (8), NC: 1,5. LED colors: RED, GREEN.

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.