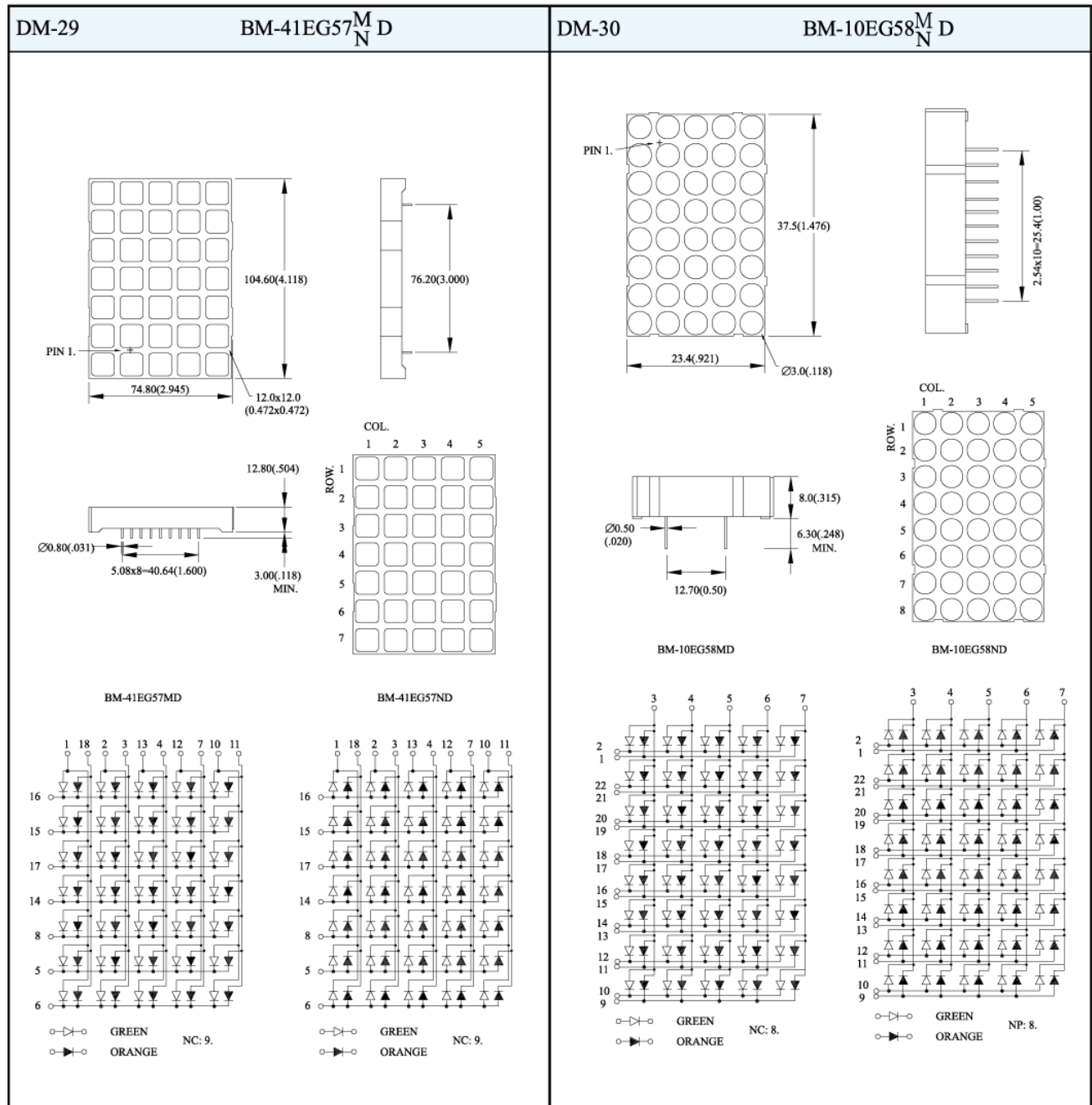




LED Dot Matrix Display BM Series

Multi- Color, 5 x 7 & 5 x 8 Dot Matrix Displays

Digit Size	Part No.		Chip		Absolute Maximum Ratings				Electro-optical Data(At 10mA)			Drawing No.
	Column Common Anode	Column Common Cathode	Material/Emitted Color	Peak Wave Length λ p(nm)	Δ λ (nm)	Pd (mw)	If (mA)	Ifp (mA)	Vf (v)		Iv. Typ. Per.Seg. (mcd)	
									Typ.	Max.		
4.00" High 12x12	BM-41EG57MD	BM-41EG57ND	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	15.0	DM-29
			GaP/ GaP/ Yellow Green	568	30	80	30	150	2.1	2.5	15.0	
1.4" High ϕ 3.00	BM-10EG58MD	BM-10EG58ND	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	9.0	DM-30
			GaP/ GaP/ Yellow Green	568	30	80	30	150	2.1	2.5	9.0	



NOTES: 1.All Dimensions are in millimeters(inches).

3.Specifications are subject to change without notice.

2.Tolerance is ± 0.25 mm(.010").

4.NP:No Pin.

5.NC:No Connect.

AMERICAN BRIGHT

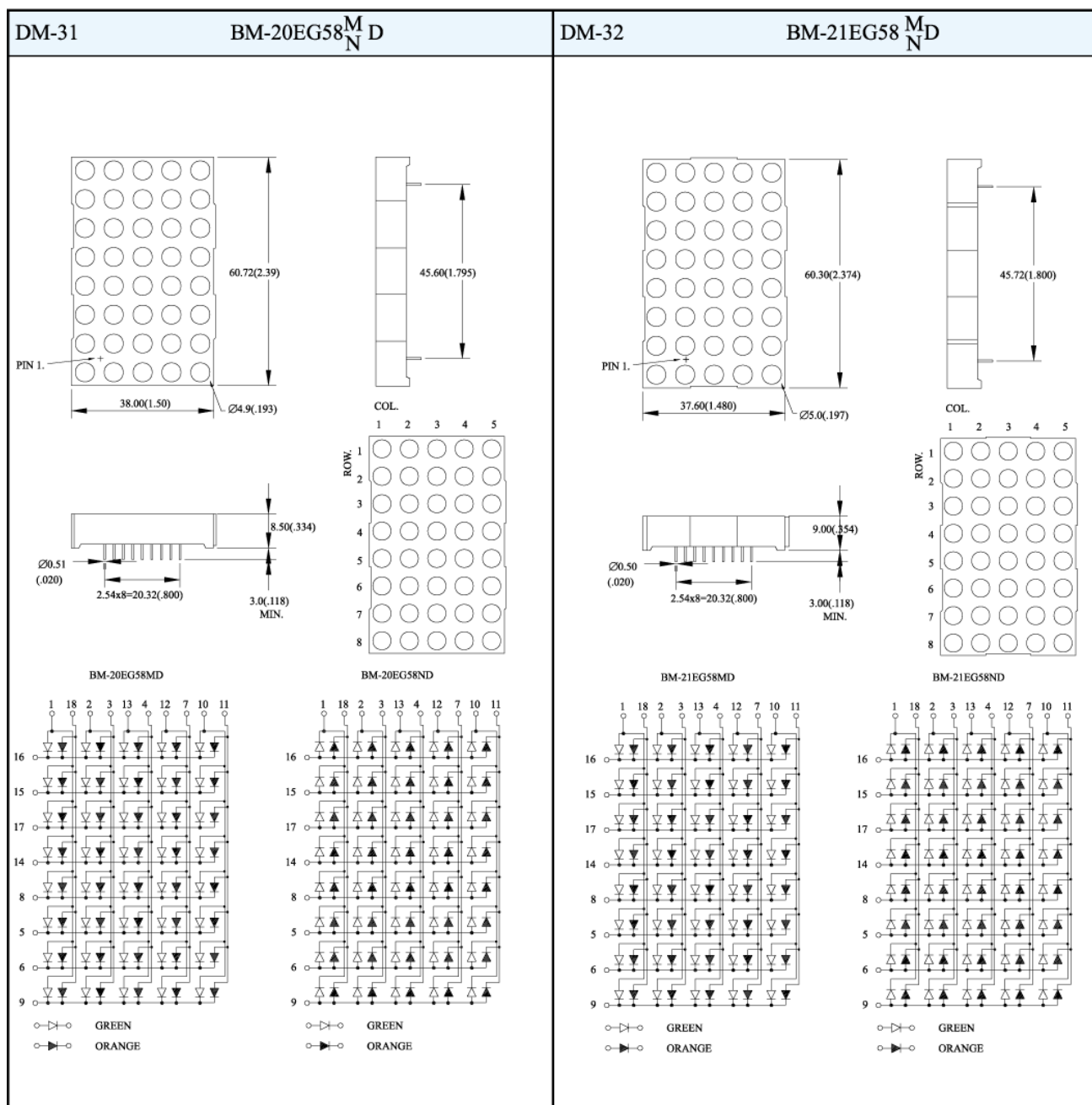
(714) 257-0800 FAX (714) 257-1310 • © 2000 American Bright Optoelectronics Corporation. Specifications subject to change without notice. 185



LED Dot Matrix Display BM Series

Multi-Color, 5 x 8 Dot Matrix Displays

Digit Size	Part No.		Chip		Absolute Maximum Ratings				Electro-optical Data(At 10mA)			Drawing No.
	Column Common Anode	Column 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.		
2.40" High ϕ 5.00	BM-20EG58MD	BM-20EG58ND	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	12.0	DM-31
			GaP/ GaP/ Yellow Green	568	30	80	30	150	2.1	2.5	12.0	
2.37" High ϕ 5.00	BM-21EG58MD	BM-21EG58ND	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	12.0	DM-32
			GaP/ GaP/ Yellow Green	568	30	80	30	150	2.1	2.5	12.0	

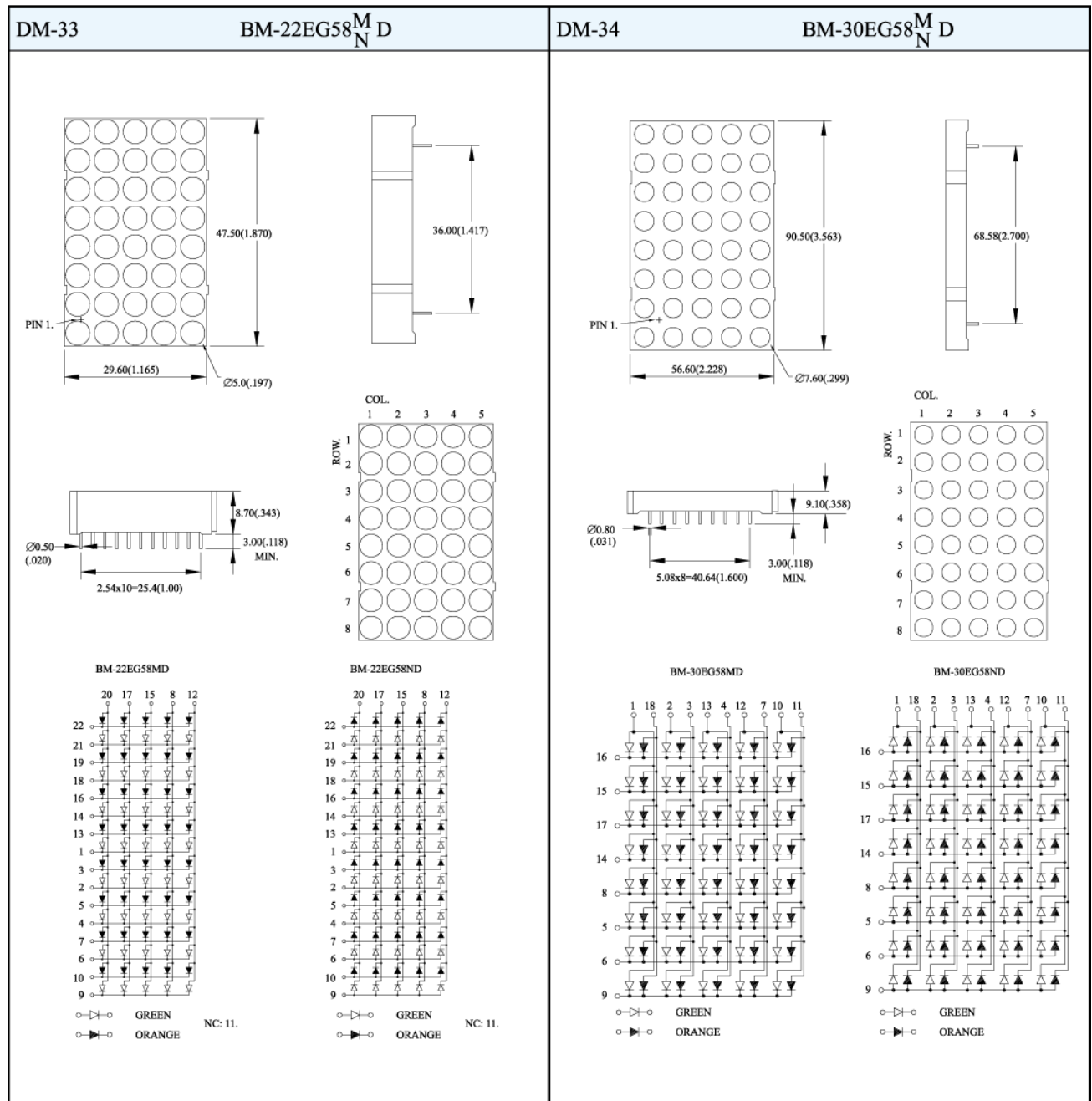




LED Dot Matrix Display BM Series

Multi-Color, 5 x 8 Dot Matrix Displays

Digit Size	Part No.		Chip		Absolute Maximum Ratings				Electro-optical Data(At 10mA)			Drawing No.
	Column Common Anode	Column 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.		
1.90" High ϕ 5.00	BM-22EG58MD	BM-22EG58ND	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	12.0	DM-33
			GaP/ GaP/ Yellow Green	568	30	80	30	150	2.1	2.5	12.0	
3.50" High ϕ 7.60	BM-30EG58MD	BM-30EG58ND	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	15.0	DM-34
			GaP/ GaP/ Yellow Green	568	30	80	30	150	2.1	2.5	15.0	



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.

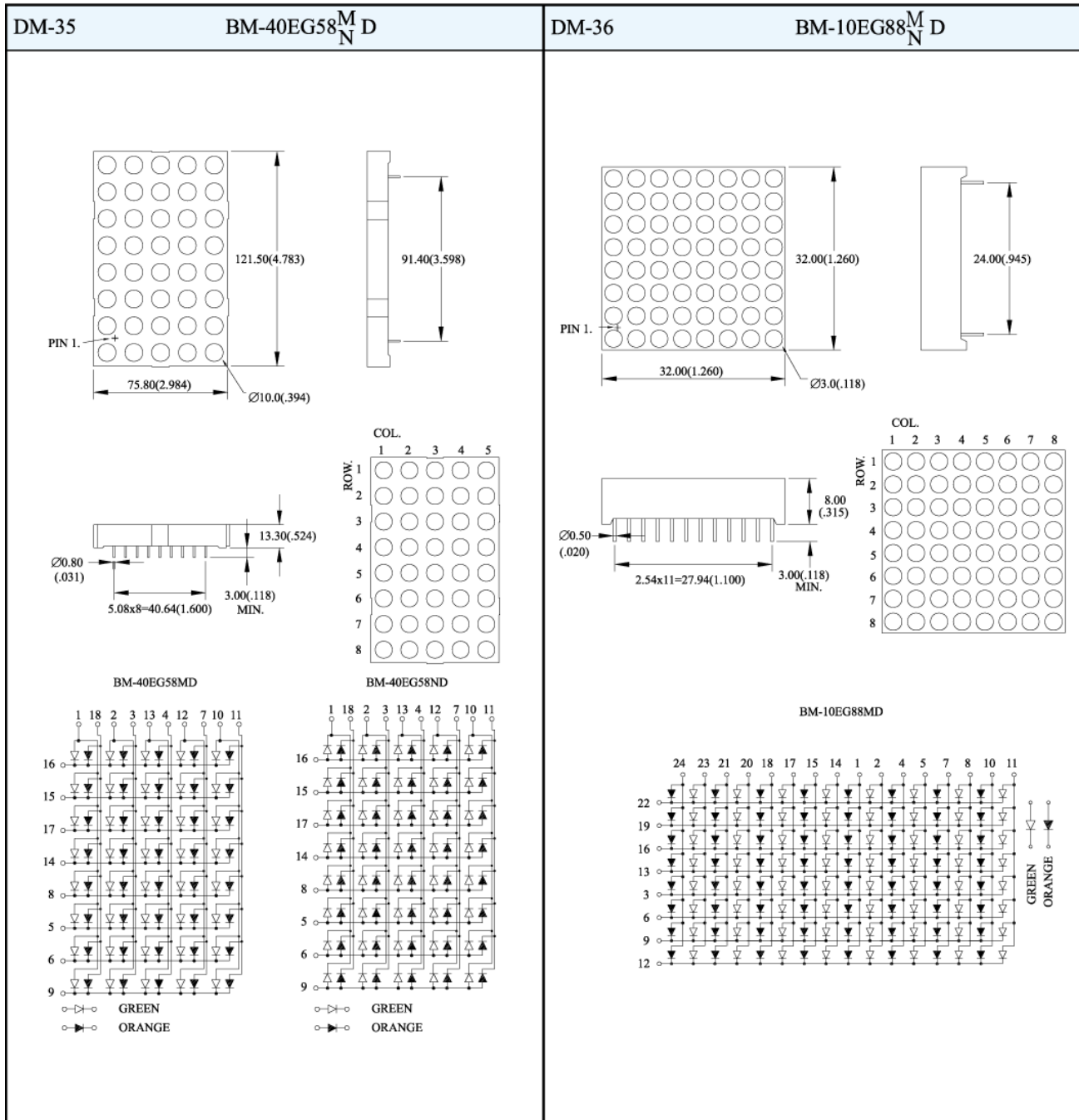
AMERICAN BRIGHT



LED Dot Matrix Display BM Series

Multi-Color, 5 x 8 & 8 x 8 Dot Matrix Displays

Digit Size	Part No.		Chip		Absolute Maximum Ratings				Electro-optical Data(At 10mA)			Drawing No.
	Column Common Anode	Column 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.		
4.60" High ϕ 10.0	BM-40EG58MD	BM-40EG58ND	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	15.0	DM-35
			GaP/ GaP/ Yellow Green	568	30	80	30	150	2.1	2.5	15.0	
1.25" High ϕ 3.00	BM-10EG88MD	BM-10EG88ND	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	10.0	DM-36
			GaP/ GaP/ Yellow Green	568	30	80	30	150	2.1	2.5	10.0	



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.

AMERICAN BRIGHT