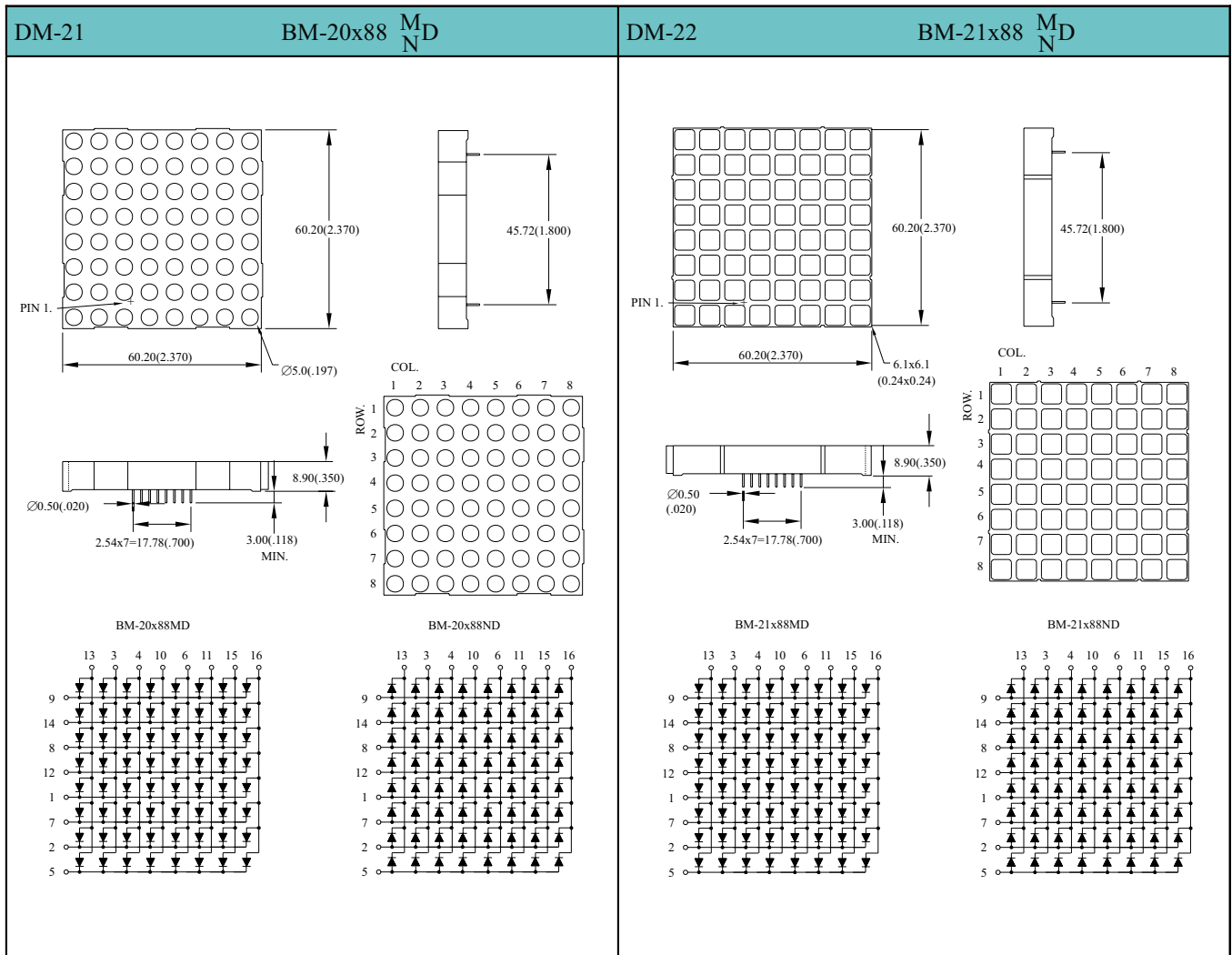


## Single Color 8x8 Dot Matrix Displays

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 $\lambda_p$ (nm)	$\Delta \lambda$ (nm)	Pd (mw)	If (mA)	Ifp (mA)	Vf (v)		Iv. Typ. Per.Seg. (mcd)	
									Typ.	Max.		
2.30" High $\phi$ 5.0	BM-20288MD	BM-20288ND	GaP/ GaP/ Yellow Green	568	30	80	30	150	2.1	2.5	12.0	DM-21
	BM-20488MD	BM-20488ND	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	12.0	
	BM-20488MA	BM-20488NA	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	17.0	
	BM-20688MD	BM-20688ND	GaAlAs/ SH/ Super Red	660	20	80	30	150	1.7	2.5	17.0	
	BM-20688MA	BM-20688NA	GaAlAs/ SH/ Super Red	660	20	80	30	150	1.7	2.5	21.0	
	BM-20F88MD	BM-20F88ND	GaAlAs/ DDH/ Super Red	660	20	80	30	150	2.0	2.5	23.0	
	BM-20J88MD	BM-20J88ND	AlGaInP/GaAs/ Ultra Orange	620	17	80	30	150	2.0	2.5	25.0	
BM-20K88MD	BM-20K88ND	AlGaInP/GaAs/ Ultra Yellow	592	15	80	30	150	2.1	2.5	25.0		
2.3" High 6.1x6.1	BM-21288MD	BM-21288ND	GaP/ GaP/ Yellow Green	568	30	80	30	150	2.1	2.5	12.0	DM-22
	BM-21488MD	BM-21488ND	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	12.0	
	BM-21488MA	BM-21488NA	GaAsP/GaP/ Hi-Eff.Red	635	45	80	30	150	2.0	2.5	17.0	
	BM-21688MD	BM-21688ND	GaAlAs/ SH/ Super Red	660	20	80	30	150	1.7	2.5	17.0	
	BM-21688MA	BM-21688NA	GaAlAs/ SH/ Super Red	660	20	80	30 <td 150	1.7	2.5	21.0		
	BM-21F88MD	BM-21F88ND	GaAlAs/ DDH/ Super Red	660	20	80	30	150	2.0	2.5	23.0	
	BM-21J88MD	BM-21J88ND	AlGaInP/GaAs/ Ultra Orange	620	17	80	30	150	2.0	2.5	25.0	
BM-21K88MD	BM-21K88ND	AlGaInP/GaAs/ Ultra Yellow	592	15	80	30	150	2.1	2.5	25.0		



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.