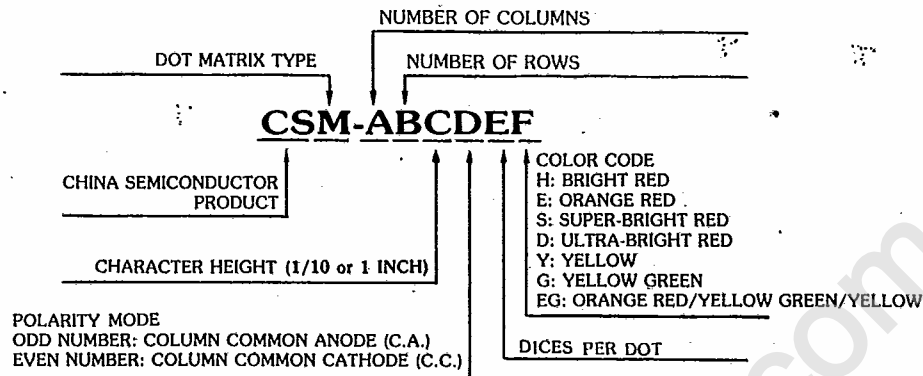


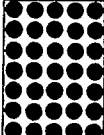
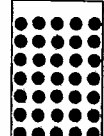
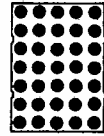
DOT MATRIX DISPLAY GENERAL INFORMATION

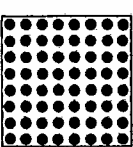


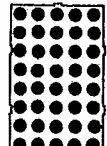

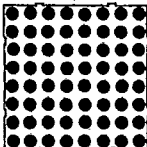
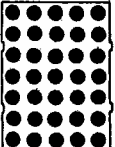
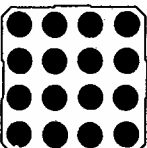
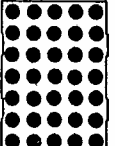

PART NUMBER SYSTEM



Electro-Optical Characteristics (Ta = 25°C)

COLOR	Peak Emission Wavelength λP (nm)	Dice Material	Forward Voltage Per Dice V _f (V)		Luminous Intensity Per Dice I _v (ucd)	Test Condition
			TYP	MAX		
BRIGHT RED	695	GaP/GaP	2.0	2.8	1,400	I _f = 20 mA
ORANGE RED	635	GaAsP/GaP	2.1	2.8	4,000	I _f = 20 mA
SUPER-BRIGHT RED	660	GaAlAs/GaAs (SH)	1.8	2.5	6,000	I _f = 20 mA
ULTRA-BRIGHT RED	660	GaAlAs/GaAs (DH)	1.8	2.5	10,000	I _f = 20 mA
YELLOW	590	GaAsP/GaP	2.1	2.8	4,000	I _f = 20 mA
YELLOW GREEN	570	GaP/GaP	2.2	2.8	4,000	I _f = 20 mA

MATRIX HEIGHT	DOT PITCH/DIAMETER	CSC PART NUMBER : CSM-						MODE
		ORANGE RED	SUPER-BRIGHT RED	ULTRA-BRIGHT RED	YELLOW GREEN	YELLOW	TRI COLOR	
5×7  0.7" (17mm)	2.5 m/m 2.0 m/m	57031E	57031S	57031D	57031G	57031Y	N/A	C.A.
		57041E	57041S	57041D	57041G	57041Y	N/A	C.C.
		57071E	57071S	57071D	57071G	57071Y	N/A	C.A.
		57081E	57081S	57081D	57081G	57081Y	N/A	C.C.
5×7  1.2" (30mm)	4.6 m/m 2.9 m/m	57111E	57111S	57111D	57111G	57111Y	N/A	C.A.
		57121E	57121S	57121D	57121G	57121Y	57161EG	C.C.
5×7  1.2" (30mm)	4.6 m/m 2.9 m/m	57131E	57131S	57131D	57131G	57131Y	N/A	C.A.
		57141E	57141S	57141D	57141G	57141Y	57181EG	C.C.

MATRIX HEIGHT	DOT PITCH/ DIAMETER	CSC PART NUMBER : CSM-						MODE
		ORANGE RED	SUPER- BRIGHT RED	ULTRA- BRIGHT RED	YELLOW GREEN	YELLOW	TRI COLOR	
8x8  1.2" (31mm)	4.0 m/m 2.8 m/m	88111E 88121E	88111S 88121S	88111D 88121D	88111G 88121G	88111Y 88121Y	N/A 88161EG	C.A. C.C.
5x8  1.4" (36mm)	4.7 m/m 2.8 m/m	58111E 58121E	58111S 58121S	58111D 58121D	58111G 58121G	58111Y 58121Y	N/A 58161EG	C.A. C.C.
5x7  2.0" (51mm)	7.6 m/m 5.0 m/m	57211E 57221E	57211S 57221S	57211D 57221D	57211G 57221G	57211Y 57221Y	N/A 57261EG	C.A. C.C.
5x8  2.3" (58mm)	7.6 m/m 5.0 m/m	58211E 58221E 58231E 58241E	58211S 58221S 58231S 58241S	58211D 58221D 58231D 58241D	58211G 58221G 58231G 58241G	58211Y 58221Y 58231Y 58241Y	N/A 58261EG N/A N/A	C.A. C.C. C.A. C.C.
6x8  2.3" (58mm)	7.6 m/m 5.0 m/m	68211E 68221E	68211S 68221S	68211D 68221D	68211G 68221G	68211Y 68221Y	N/A 68261EG	C.A. C.C.
8x8  2.3" (58mm)	7.6 m/m 5.0 m/m	88211E 88221E 88241E	88211S 88221S 88241S	88211D 88221D 88241D	88211G 88221G 88241G	88211Y 88221Y 88241Y	N/A 88261EG N/A	C.A. C.C. C.C.
5x7  3.0" (76mm)	11.4 m/m 7.6 m/m	57312E 57322E 57313E 57314E	57312S 57322S 57313S 57314S	57312D 57322D 57313D 57314D	57312G 57322G 57313G 57314G	57312Y 57322Y 57313Y 57314Y	N/A 57362EG	C.A. C.C.
4x4  4.0" (102mm)	27.2 m/m 20.0m/m	44414E 44424E	44414S 44424S	44414D 44424D	44414G 44424G	44414Y 44424Y	N/A 44465EG	C.A. C.C.
5x7  4.0" (101mm)	15.2 m/m 10.0 m/m	57432E 57442E 57433E 57443E 57434E 57444E	57432S 57442S 57433S 57443S 57434S 57444S	57432D 57442D 57433D 57443D 57434D 57444D	57432G 57442G 57433G 57443G 57434G 57444G	57432Y 57442Y 57433Y 57443Y 57434Y 57444Y	N/A 57462EG N/A N/A N/A N/A	C.A. C.C. C.A. C.C. C.A. C.C.
5x8  4.6" (117mm)	15.2 m/m 10.0 m/m	58432E 58442E 58433E 58443E 58434E 58444E	58432S 58442S 58433S 58443S 58434S 58444S	58432D 58442D 58433D 58443D 58434D 58444D	58432G 58442G 58433G 58443G 58434G 58444G	58432Y 58442Y 58433Y 58443Y 58434Y 58444Y	N/A 58462EG N/A N/A N/A N/A	C.A. C.C. C.A. C.C. C.A. C.C.