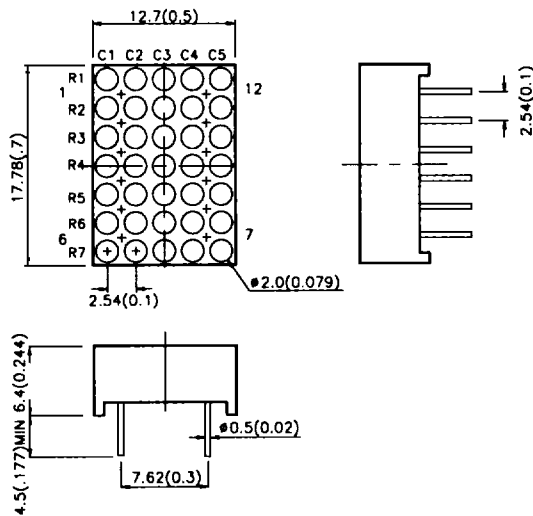


Sun Dot Matrix Displays

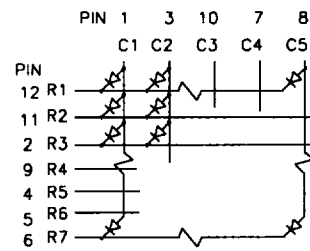


Type	Part Number	Emitting Color	Emitting Material	Wave Length (nm)	Luminous Intensity IF=10mA (ucd)		Column	Figure No.
					Min.	Max.		
Dot Matrix 18mm (0.7") 5x7	MHR18A / MHR18C	Red	GaP	700	360 - 900		Anode / Cathode	1
	MUR18A / MUR18C	Red	GaAsP/GaP	625	2200 - 5600		Anode / Cathode	
	MMR18A / MMR18C	Red	GaAlAs	660	5600 - 14000		Anode / Cathode	
	MUG18A / MUG18C	Green	GaP	565	2200 - 5600		Anode / Cathode	
	MUY18A / MUY18C	Yellow	GaAsP/GaP	590	2200 - 5600		Anode / Cathode	
Dot Matrix 37mm (1.4") 5x8	MHR41A / MHR41C	Red	GaP	700	560 - 1400		Anode / Cathode	2
	MUR41A / MUR41C	Red	GaAsP/GaP	625	3600 - 9000		Anode / Cathode	
	MMR41A / MMR41C	Red	GaAlAs	660	5600 - 14000		Anode / Cathode	
	MUG41A / MUG41C	Green	GaP	565	2200 - 5600		Anode / Cathode	
	MUY41A / MUY41C	Yellow	GaAsP/GaP	590	2200 - 5600		Anode / Cathode	

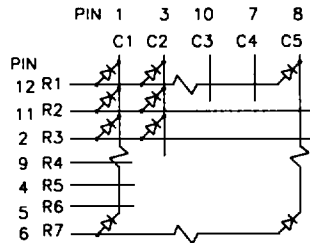
●Fig.1



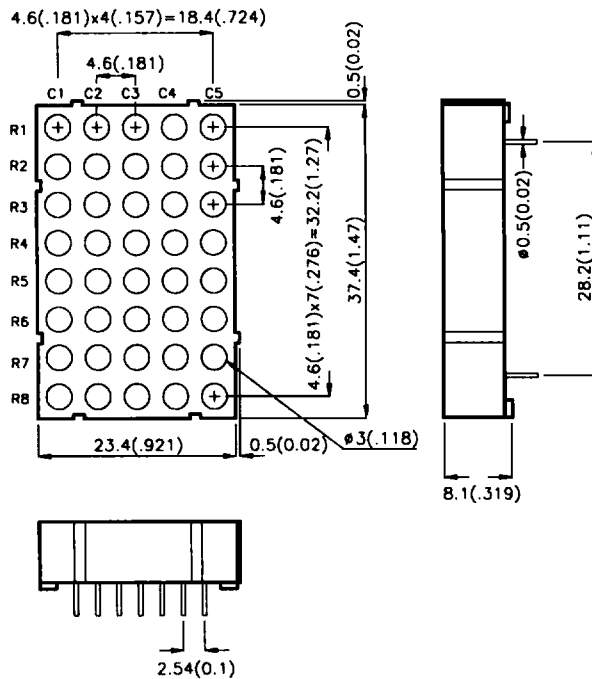
Mxx18A



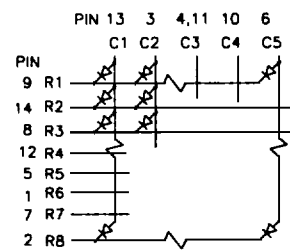
Mxx18C



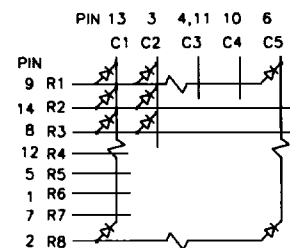
●Fig.2



Mxx41A



Mxx41C



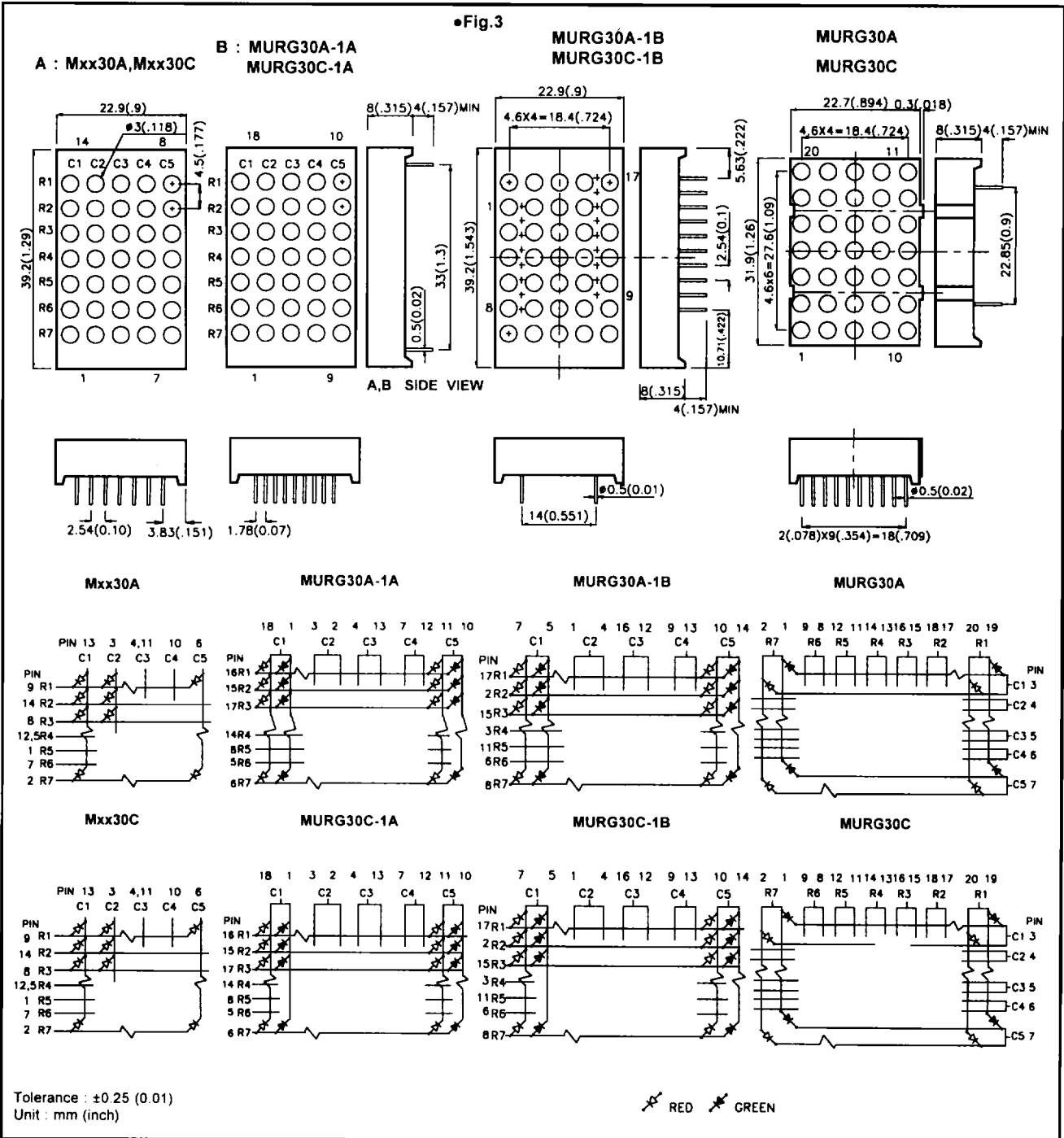
Tolerance : ±0.25 (0.01)
Unit : mm (inch)



Sun Dot Matrix Displays

Type	Part Number	Emitting Color	Emitting Material	Wave Length (nm)	Luminous Intensity IF=10mA (ucd)		Column	Figure No.
					Min.	Max.		
Dot Matrix 30mm (1.2") 5x7	MHR30A / MHR30C	Red	GaP	700	560 - 1400		Anode / Cathode	3
	MUR30A / MUR30C	Red	GaAsP/GaP	625	3600 - 9000		Anode / Cathode	
	MMR30A / MMR30C	Red	GaAlAs	660	5600 - 14000		Anode / Cathode	
	MUG30A / MUG30C	Green	GaP	565	2200 - 5600		Anode / Cathode	
	MUY30A / MU Y30C	Yellow	GaAsP/GaP	590	2200 - 5600		Anode / Cathode	
	MURG30A / MURG30C	Red	GaAsP/GaP	625	2200 - 9000		Anode / Cathode	
	MURG30A-1A	Red	GaAsP/GaP	625	2200 - 9000		Anode / Cathode	
	MURG30C-1A	Green	GaP	565	2200 - 9000		Anode / Cathode	
	MURG30A-1B	Red	GaAsP/GaP	625	2200 - 9000		Anode / Cathode	
MURG30C-1B	Green	GaP	565	2200 - 9000		Anode / Cathode		

Fig.3



Sun Dot Matrix Displays

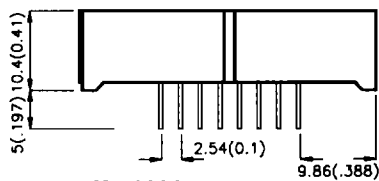
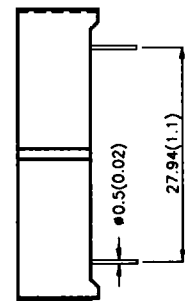
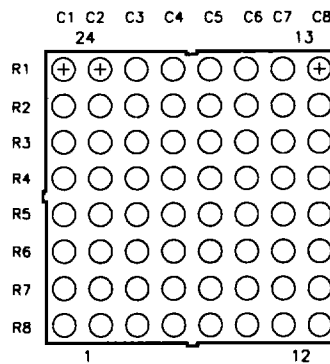
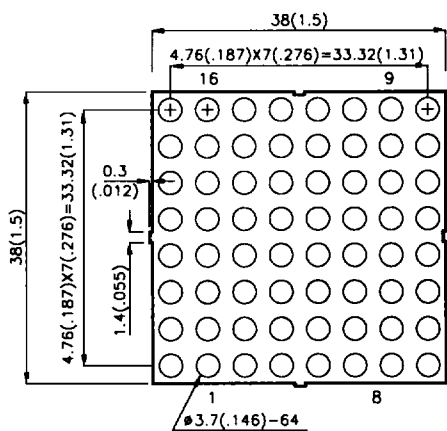


Type	Part Number	Emitting Color	Emitting Material	Wave Length (nm)	Luminous Intensity IF=10mA (ucd)		Column	Figure No.
					Min.	Max.		
Dot Matrix 38mm (1.5") 8x8	MHR38A8 / MHR38C8	Red	GaP	700	560 - 1400		Anode / Cathode	4
	MUR38A8 / MUR38C8	Red	GaAsP/GaP	625	3600 - 9000		Anode / Cathode	
	MMR38A8 / MMR38C8	Red	GaAlAs	660	5600 - 14000		Anode / Cathode	
	MUG38A8 / MUG38C8	Green	GaP	565	2200 - 5600		Anode / Cathode	
	MUY38A8 / MUY38C8	Yellow	GaAsP/GaP	590	2200 - 5600		Anode / Cathode	
	MURG38A8 / MURG38C8	Red Green	GaAsP/GaP GaP	625 565	2200 - 5600 2200 - 5600		Anode / Cathode	

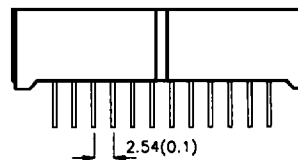
•Fig.4

A : Mxx38A8, Mxx38C8

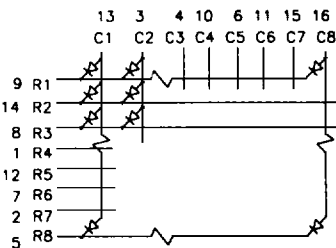
B : MURG38A8, MURG38C8



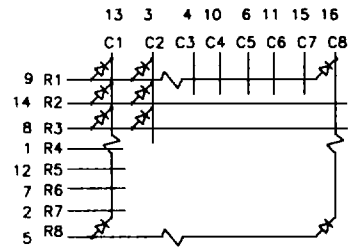
Mxx38A8



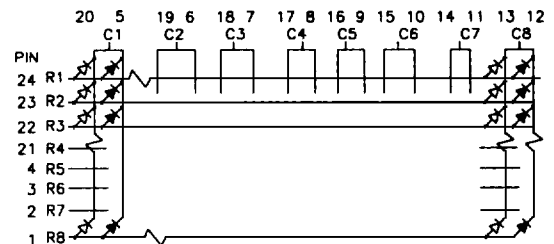
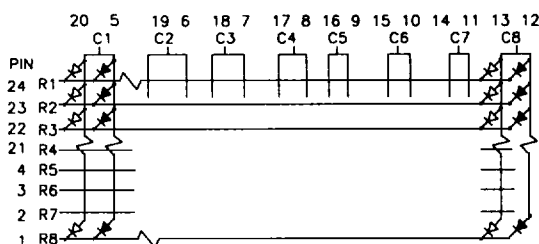
Mxx38C8



MURG38A8



MURG38C8



Tolerance : ± 0.25 (0.01)
Unit : mm (inch)

RED
 GREEN



Sun Dot Matrix Displays

Type	Part Number	Emitting Color	Emitting Material	Wave Length (nm)	Luminous Intensity IF=10mA (ucd) Min. Max.	Column	Figure No.
Dot Matrix 50mm (2.0") 5x7	MHR50A / MHR50C	Red	GaP	700	560 - 1400	Anode / Cathode	5
	MUR50A / MUR50C	Red	GaAsP/GaP	625	3600 - 9000	Anode / Cathode	
	MMR50A / MMR50C	Red	GaAlAs	660	9000 - 31000	Anode / Cathode	
	MUG50A / MUG50C	Green	GaP	565	2200 - 5600	Anode / Cathode	
	MUY50A / MUY50C	Yellow	GaAsP/GaP	590	2200 - 5600	Anode / Cathode	
	MURG50A / MURG50C	Red Green	GaAsP/GaP GaP	625 565	3600 - 9000 2200 - 9000	Anode / Cathode	
	MURG50A-A/MURG50C-A	Red Green	GaAsP/GaP GaP	625 565	3600 - 9000 2200 - 9000	Anode / Cathode	
	MURG50A-1A MURG50C-1A	Red Green	GaAsP/GaP GaP	625 565	3600 - 9000 2200 - 9000	Anode / Cathode	

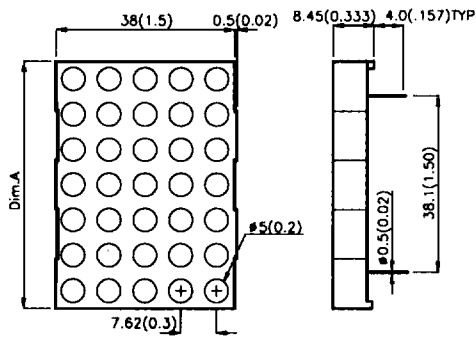
●Fig.5

A : Mxx50A/Mxx50C (Dim.A : 53.3mm)

B : MURG50A/MURG50C (Dim.A : 53.3mm)

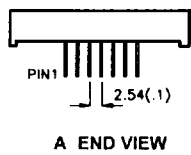
C : MURG50A-A/MURG50C-A (Dim.A : 53.3mm)

D : MURG50A-1A/MURG50C-1A (Dim.A : 53.0mm)

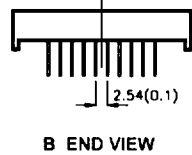


A,B,C,D FRONT VIEW

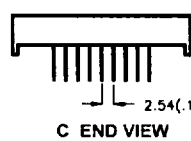
A,B,C,D SIDE VIEW



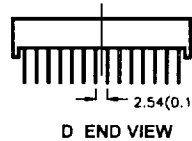
A END VIEW



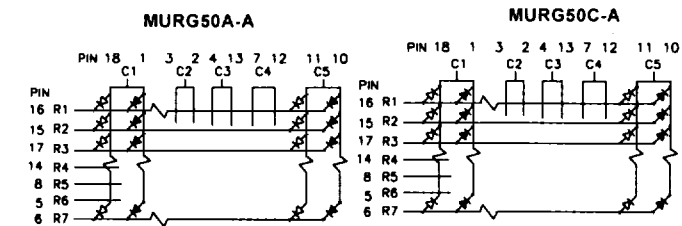
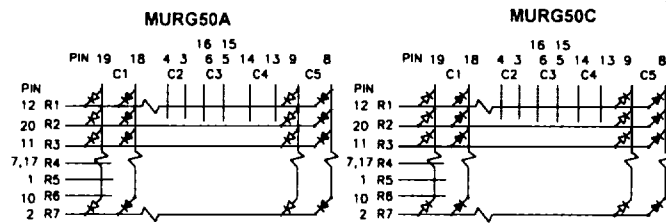
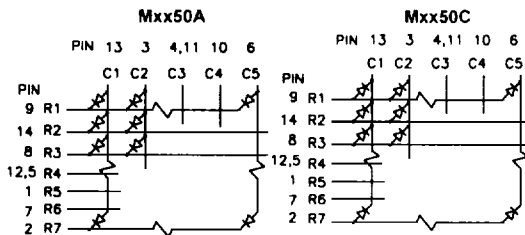
B END VIEW



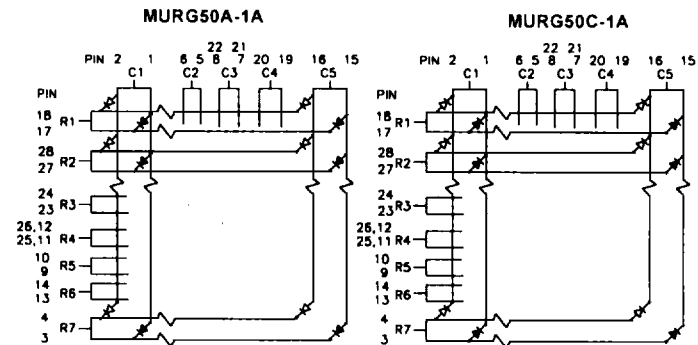
C END VIEW



D END VIEW



✱ RED ✱ GREEN



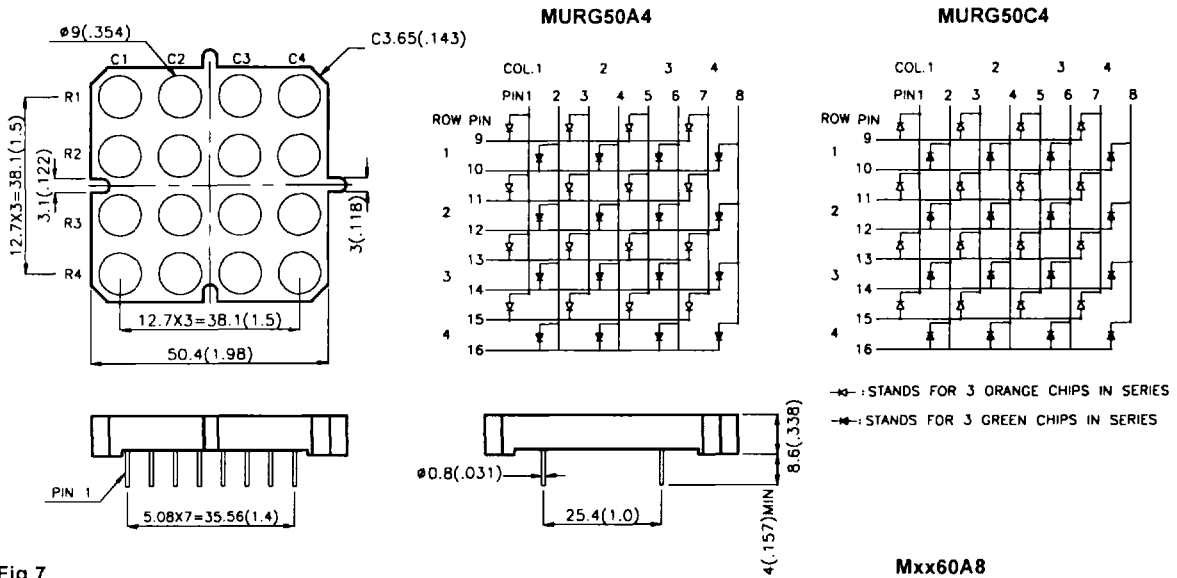
Tolerance : ±0.25 (0.01)
Unit : mm (inch)

Sun Dot Matrix Displays

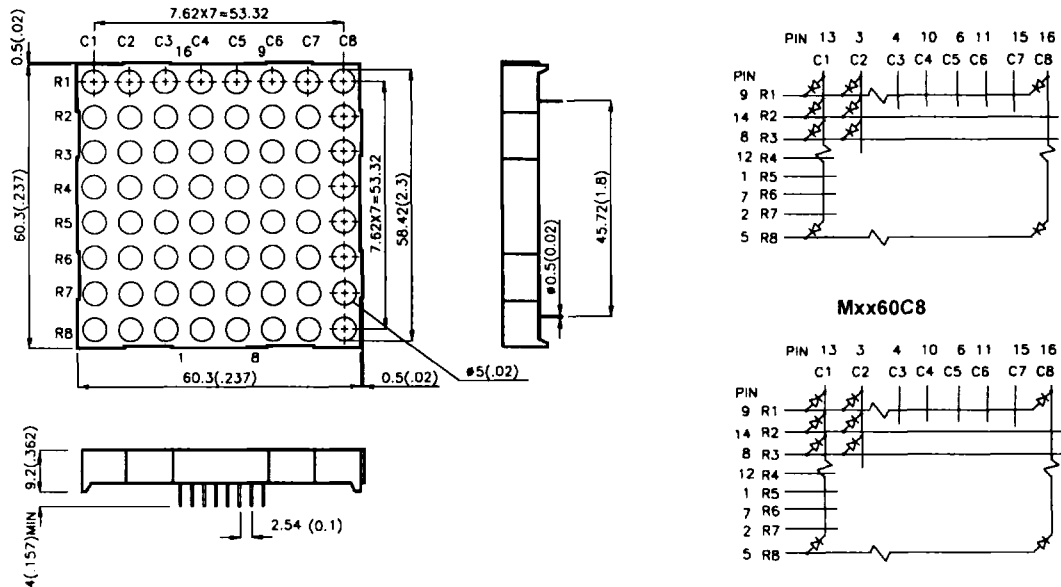


Type	Part Number	Emitting Color	Emitting Material	Wave Length (nm)	Luminous Intensity IF=10mA (ucd) Min. Max.	Column	Figure No.
Multicolor Dot Matrix 45mm (1.8") 4x4	MURG50A4 / MURG50C4	Red	GaAsP/GaP	625	14000 - 21000	Anode / Cathode	6
		Green	GaP	565	14000 - 21000		
Dot Matrix 60mm (2.3") 8x8	MHR60A8 / MHR60C8	Red	GaP	700	560 - 1400	Anode / Cathode	7
	MUR60A8 / MUR60C8	Red	GaAsP/GaP	625	3600 - 9000	Anode / Cathode	
	MMR60A8 / MMR60C8	Red	GaAlAs	660	14000 - 31000	Anode / Cathode	
	MUG60A8 / MUG60C8	Green	GaP	565	2200 - 5600	Anode / Cathode	
	MUY60A8 / MUY60C8	Yellow	GaAsP/GaP	590	2200 - 5600	Anode / Cathode	

•Fig.6



•Fig.7



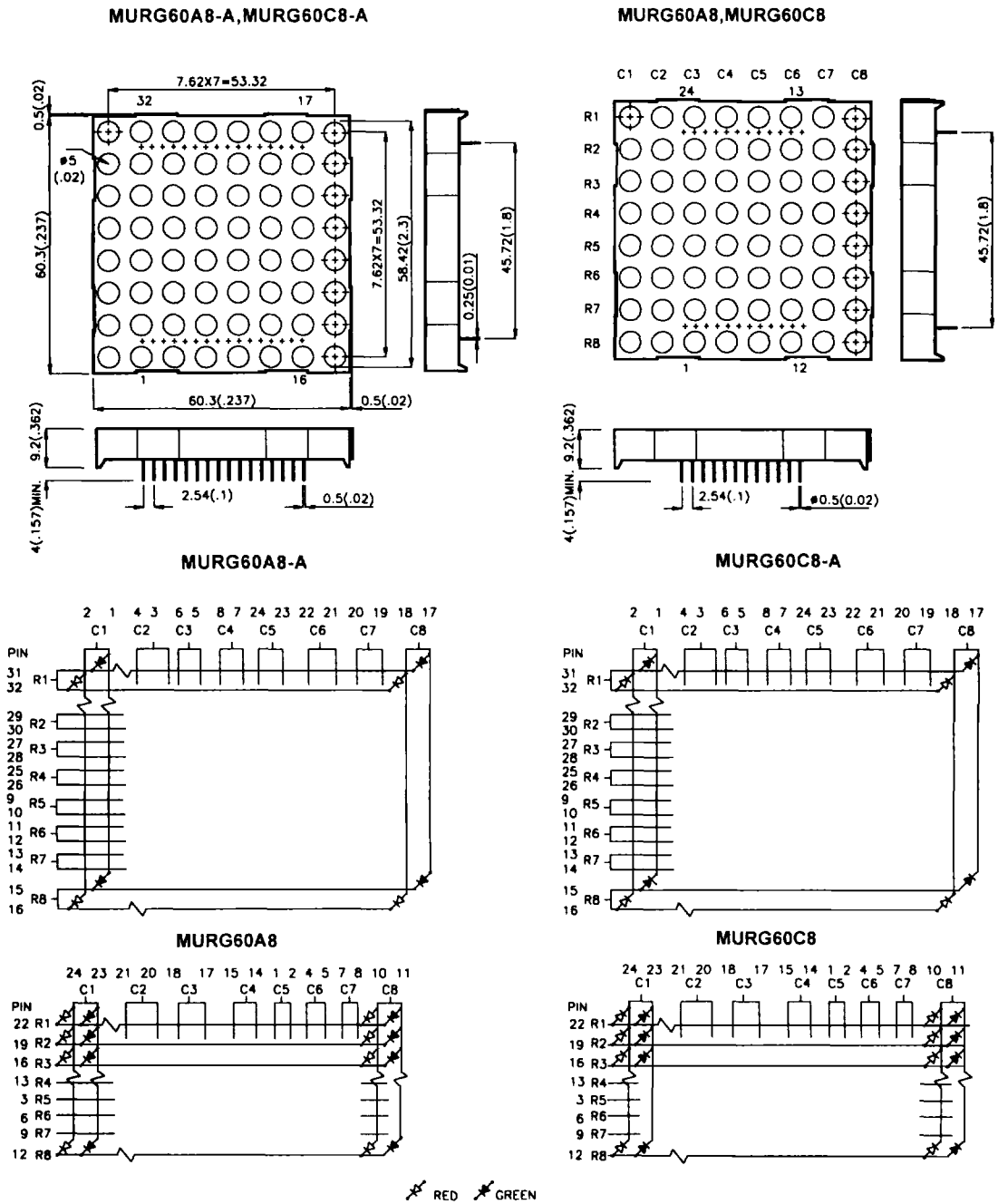
Tolerance : ±0.25 (0.01)
 Unit : mm (inch)



Sun Dot Matrix Displays

Type	Part Number	Emitting Color	Emitting Material	Wave Length (nm)	Luminous Intensity IF=10mA (ucd) Min. Max.	Column	Figure No.
Multicolor Dot Matrix 60mm (2.3") 8x8	MURG60A8 / MURG60C8	Red	GaAsP/GaP	625	3600 - 9000	Anode / Cathode	8
		Green	GaP	565	2200 - 5600		
	MURG60A8-A MURG60C8-A	Red	GaAsP/GaP	625	3600 - 9000	Anode / Cathode	
		Green	GaP	565	2200 - 5600		

•Fig.8



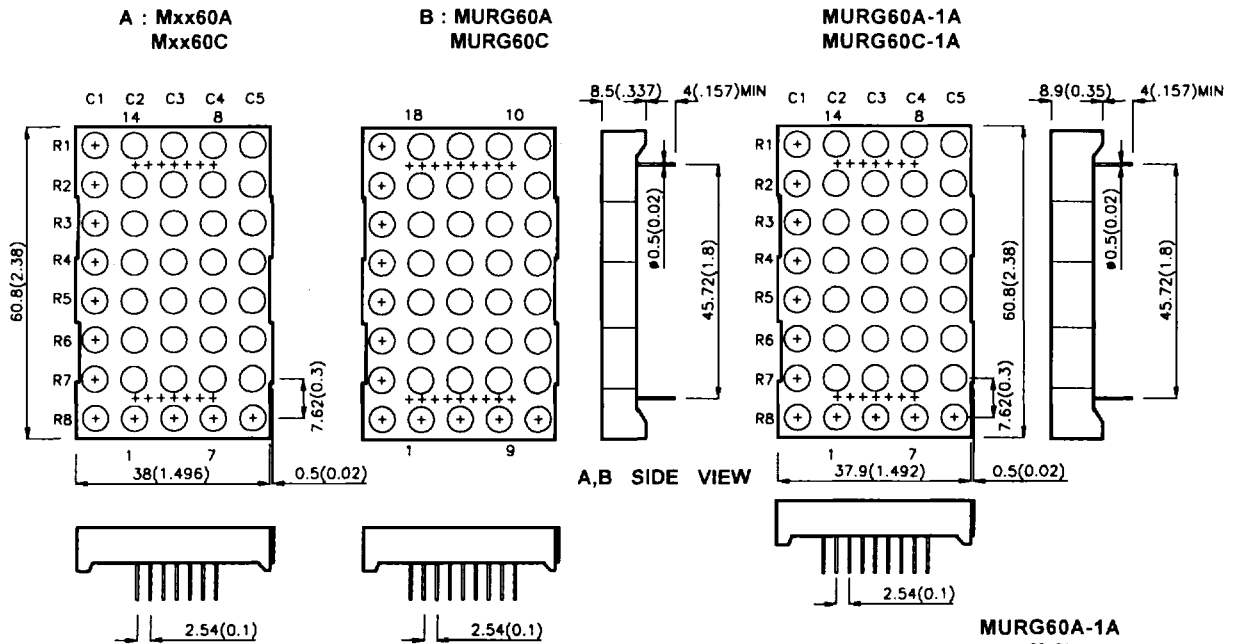
Tolerance : ±0.25 (0.01)
Unit : mm (inch)

Sun Dot Matrix Displays

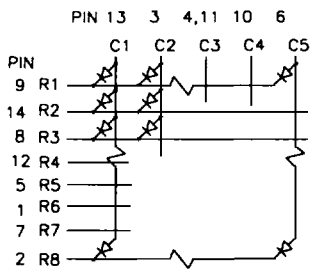


Type	Part Number	Emitting Color	Emitting Material	Wave Length (nm)	Luminous Intensity IF=10mA (ucd) Min. Max.	Column	Figure No.
Dot Matrix 60mm (2.3") 5x8	MHR60A / MHR60C	Red	GaP	700	560 - 1400	Anode / Cathode	9
	MUR60A / MUR60C	Red	GaAsP/GaP	625	3600 - 9000	Anode / Cathode	
	MMR60A / MMR60C	Red	GaAlAs	660	14000 - 31000	Anode / Cathode	
	MUG60A / MUG60C	Green	GaP	565	2200 - 5600	Anode / Cathode	
	MUY60A / MUY60C	Yellow	GaAsP/GaP	590	2200 - 5600	Anode / Cathode	
	MURG60A / MURG60C MURG60A-1A MURG60C-1A	Red Green	GaAsP/GaP GaP	625 565	3600 - 9000 2200 - 5600	Anode / Cathode	

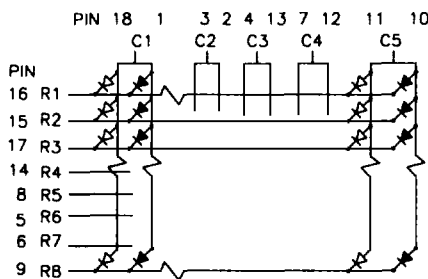
•Fig.9



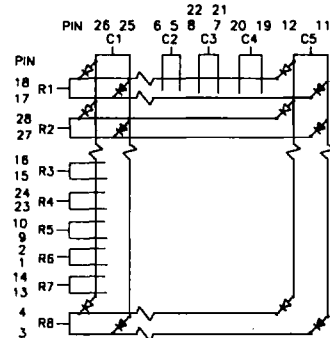
Mxx60A



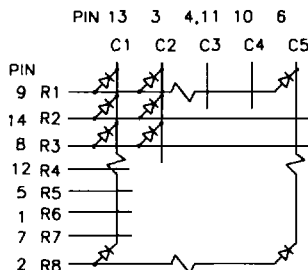
MURG60A



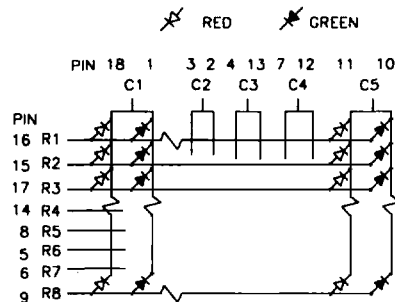
MURG60A-1A



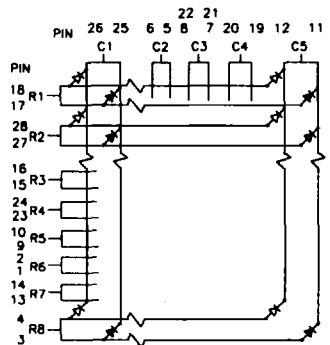
Mxx60C



MURG60C



MURG60C-1A



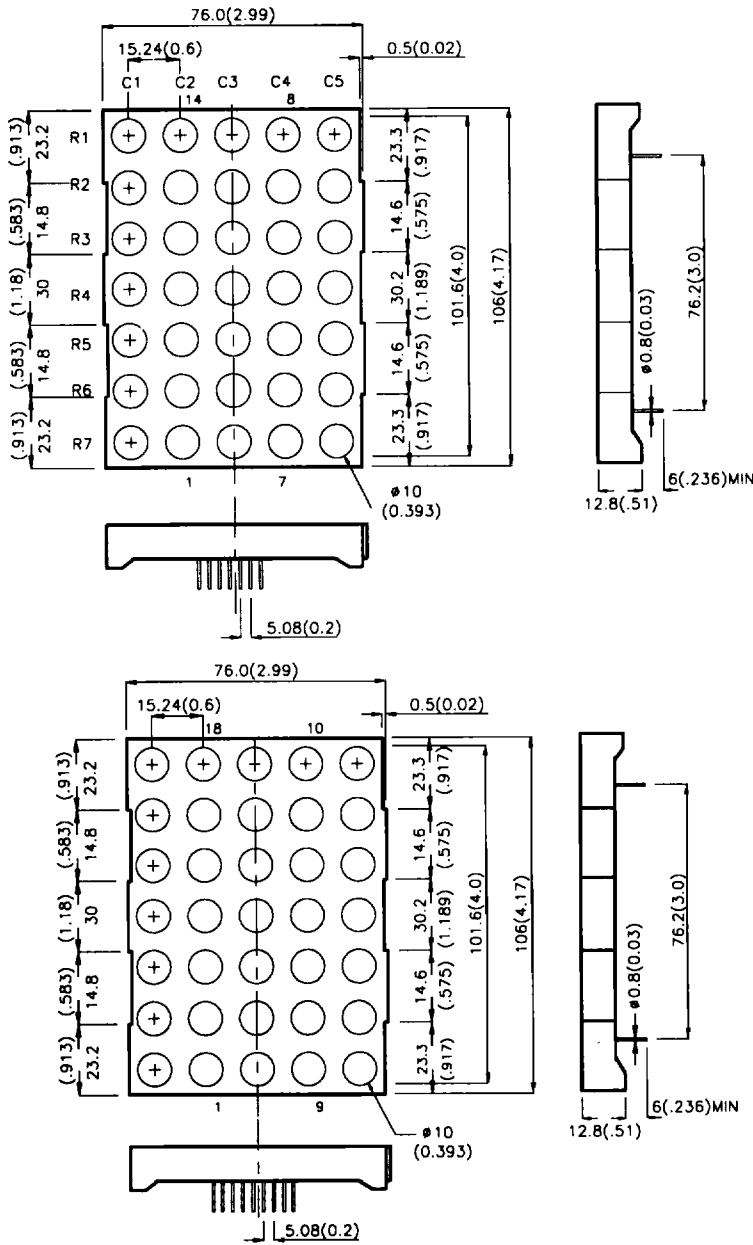
Tolerance : ±0.25 (0.01)
Unit : mm (inch)



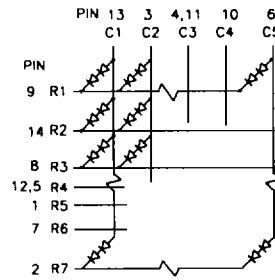
Sun Dot Matrix Displays

Type	Part Number	Emitting Color	Emitting Material	Wave Length (nm)	Luminous Intensity IF=10mA (ucd)		Column	Figure No.
					Min.	Max.		
Dot Matrix 100mm (4.0") 5x7	MUR100A / MUR100C	Red	GaAsP/GaP	625	3600 - 9000		Anode / Cathode	10
	MMR100A / MMR100C	Red	GaAlAs	660	14000 - 31000		Anode / Cathode	
	MUG100A / MUG100C	Green	GaP	565	2200 - 5600		Anode / Cathode	
	MUY100A / MUY100C	Yellow	GaAsP/GaP	590	2200 - 5600		Anode / Cathode	
	MURG100A / MURG100C	Red Green	GaAsP/GaP GaP	625 565	3600 - 9000 2200 - 5600		Anode / Cathode	

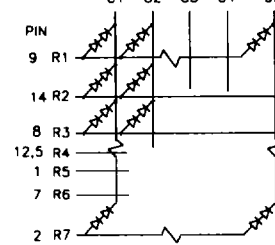
•Fig.10



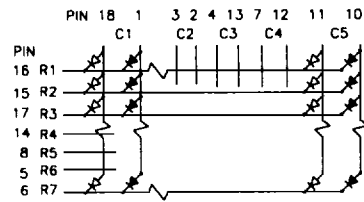
Mxx100A



Mxx100C

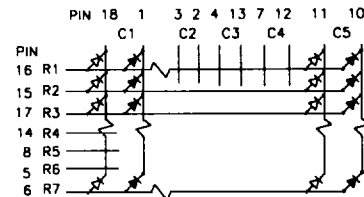


MURG100A



✕ FOR 2 RED CHIPS
✕ FOR 2 GREEN CHIPS

MURG100C



Tolerance : ±0.25 (0.01)
Unit : mm (inch)