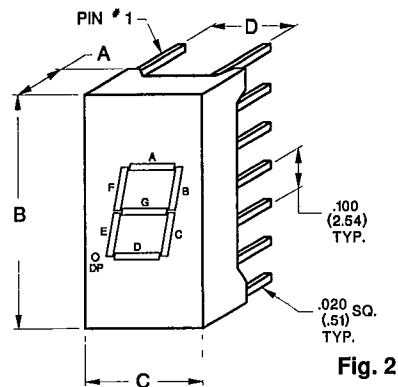
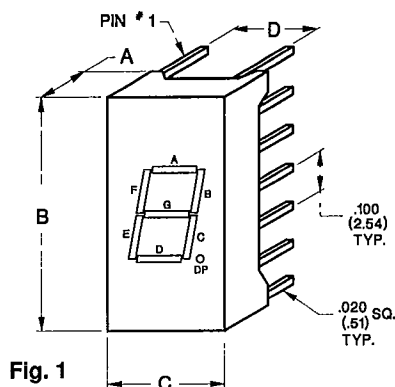


LED Displays**CONFIGURATION**

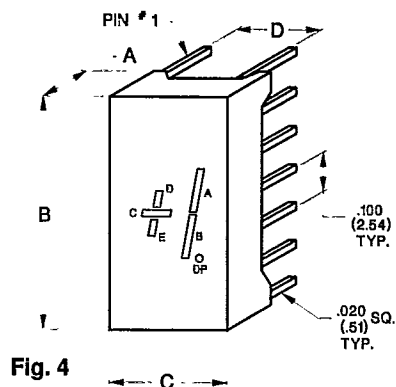
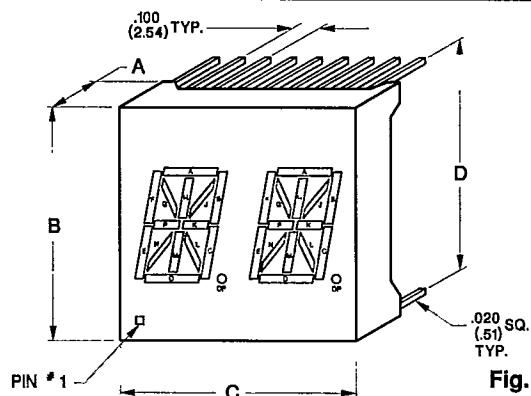
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Solid State
Products



Part Number	Digit Height	Figure Number	Emitted Color	Chip Material	Electro-Optical Characteristics					
					Luminous Intensity			Forward Voltage		
					Min (μcd)	Typ (μcd)	I _f (mA)	Typ.	Max.	I _f (mA)
CMN4910A	.40 (10.2)	1	H. E. Red	GaAsP/GaP	450	1900	10	2.2	2.5	20
CMN4940A	.40 (10.2)	1	H. E. Red	GaAsP/GaP	450	1900	10	2.2	2.5	20
CMN4710A	.40 (10.2)	1	Red	GaAsP	125	350	10	1.6	2.0	20
CMN4740A	.40 (10.2)	1	Red	GaAsP	125	350	10	1.6	2.0	20
CMN4610A	.40 (10.2)	1	Orange	GaAsP/GaP	510	1800	10	2.2	2.5	20
CMN4640A	.40 (10.2)	1	Orange	GaAsP/GaP	510	1800	10	2.2	2.5	20
CMN4410A	.40 (10.2)	1	Green	GaAsP/GaP	750	3200	10	2.2	3.0	20
CMN4440A	.40 (10.2)	1	Green	GaAsP/GaP	750	3200	10	2.2	3.0	20
CMN4705A	.40 (10.2)	4	Red	GaAsP	125	350	10	1.6	2.0	20
CMN4630A	.40 (10.2)	4	Orange	GaAsP/GaP	510	1800	10	2.2	2.5	20
5082-7650	.43 (10.9)	2	H. E. Red	GaAsP/GaP	340	840	5	2.0	2.5	20
5082-7651	.43 (10.9)	1	H. E. Red	GaAsP/GaP	340	840	5	2.0	2.5	20
5082-7653	.43 (10.9)	1	H. E. Red	GaAsP/GaP	340	840	5	2.0	2.5	20
5082-7750	.43 (10.9)	2	Red	GaAsP	320	980	20	1.6	2.0	20
5082-7751	.43 (10.9)	1	Red	GaAsP	320	980	20	1.6	2.0	20
5082-7760	.43 (10.9)	1	Red	GaAsP	320	980	20	1.6	2.0	20
5082-7565	.43 (10.9)	4	H. E. Red	GaAsP/GaP	340	840	5	2.0	2.5	20
5082-7756	.43 (10.9)	4	Red	GaAsP	320	980	20	1.6	2.0	20
CMAN54-11SRWA	.54 (13.7)	5	Red	GaAlAs	2200	5600	10	1.85	2.5	20
CMCN54-11SRWA	.54 (13.7)	5	Red	GaAlAs	2200	5600	10	1.85	2.5	20
CMAN54-11EWA	.54 (13.7)	5	H. E. Red	GaAsP/GaP	560	1400	10	2.0	2.5	20
CMCN54-11EWA	.54 (13.7)	5	H. E. Red	GaAsP/GaP	560	1400	10	2.0	2.5	20
CMAN54-11HWA	.54 (13.7)	5	Red	GaP	240	560	10	2.0	2.5	20
CMCN54-11HWA	.54 (13.7)	5	Red	GaP	240	560	10	2.0	2.5	20
CMAN54-11GWA	.54 (13.7)	5	Green	GaP	560	1400	10	2.2	2.5	20

Chicago Miniature Lamp

AN AMERICAN MANUFACTURER

LED Displays**CONFIGURATION****Fig. 4****Fig. 5**
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Products

Peak Wavelength (nm)	Segment Color	Face Color	Absolute Max. Ratings				Common Anode/ Common Cathode	Pin Configuration (see page 148)	Dimensions			
			V _r (V)	P _d (mW)	I _f (mA)	I _f Peak (mA)			A	B	C	D
635	Red	Red	6.0	600	30	90	C.A.	G	.200(5.1)	.738(18.7)	.386(9.8)	.300(7.6)
635	Red	Red	6.0	600	30	90	C.C.	H	.200(5.1)	.738(18.7)	.386(9.8)	.300(7.6)
660	Red	Black	6.0	480	30	100	C.A.	G	.200(5.1)	.738(18.7)	.386(9.8)	.300(7.6)
660	Red	Black	6.0	480	30	100	C.C.	H	.200(5.1)	.738(18.7)	.386(9.8)	.300(7.6)
630	Orange	Orange	6.0	600	30	90	C.A.	G	.200(5.1)	.738(18.7)	.386(9.8)	.300(7.6)
630	Orange	Orange	6.0	600	30	90	C.C.	H	.200(5.1)	.738(18.7)	.386(9.8)	.300(7.6)
562	White	Grey	6.0	600	30	90	C.A.	G	.200(5.1)	.738(18.7)	.386(9.8)	.300(7.6)
562	White	Grey	6.0	600	30	90	C.C.	H	.200(5.1)	.738(18.7)	.386(9.8)	.300(7.6)
660	Red	Black	6.0	360	30	100	C.C.	J	.200 (5.1)	.738(18.7)	.386(9.8)	.300(7.6)
630	Orange	Orange	6.0	450	30	90	C.A.	I	.200(5.1)	.738(18.7)	.386(9.8)	.300(7.6)
630	Red	Red	3.0	840	30	90	C.A.	K	.250(6.4)	.750(19.1)	.500(12.7)	.300(7.6)
630	Red	Red	3.0	840	30	90	C.A.	L	.250(6.4)	.750(19.1)	.500(12.7)	.300(7.6)
630	Red	Red	3.0	840	30	90	C.C.	M	.250(6.4)	.750(19.1)	.500(12.7)	.300(7.6)
650	Red	Black	3.0	520	25	90	C.A.	K	.250(6.4)	.750(19.1)	.500(12.7)	.300(7.6)
650	Red	Black	3.0	520	25	90	C.A.	L	.250(6.4)	.750(19.1)	.500(12.7)	.300(7.6)
650	Red	Black	3.0	520	25	90	C.C.	M	.250(6.4)	.750(19.1)	.500(12.7)	.300(7.6)
630	Red	Red	3.0	630	30	90	C.C.	N	.250(6.4)	.750(19.1)	.500(12.7)	.300(7.6)
650	Red	Black	3.0	390	25	90	C.C.	N	.250(6.4)	.750(19.1)	.500(12.7)	.300(7.6)
660	White	Grey	5.0	1400	30	150	C.A.	O	.310(7.8)	.835(21.2)	.992(25.2)	.600(15.2)
660	White	Grey	5.0	1400	30	150	C.C.	P	.310(7.8)	.835(21.2)	.992(25.2)	.600(15.2)
625	White	Grey	5.0	1470	30	150	C.A.	O	.310(7.8)	.835(21.2)	.992(25.2)	.600(15.2)
625												