



Features

- * LOW CURRENT REQUIREMENTS
- * EXCELLENT CHARACTER APPEARANCE
- * HIGH LIGHT OUTPUT
- * RELIABLE AND RUGGED
- * IC COMPATIBLE

Absolute Maximum Ratings at T_A=25°C

REVERSE VOLTAGE PER LED CHIP ($\leq 100\mu A$)GaAsP RED 3.0V, OTHER 5.0V
D.C. FORWARD CURRENT PER LED CHIP 30 mA
PULSE CURRENT (1/10 DUTY CYCLE, 0.1 ms PULSE WIDTH) PER LED CHIP 100 mA
OPERATING TEMPERATURE RANGE -25°C TO +85°C
STORAGE TEMPERATURE RANGE -25°C TO +100°C
LEAD SOLDERING TEMP. (1.6mm FROM SEATING PLANE) 260°C FOR 3 SEC.

Electrical/optical characteristics at T_A=25°C

PART NUMBER	LED CHIP	FACE COLOR	PEAK WAVELENGTH @20mA(nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @10(mcd)	
				TYP.	MAX.	MIN.	TYP.
MC10-070SR-AEW	MA10-070SR-AEW	GaP RED	700	2.1	3.0	0.5	0.8
MC10-070SG-AEW	MA10-070SG-AEW	GaP GREEN	567	2.1	3.0	1.4	2.9
-----	-----	GaAsP ON GaP YELLOW	585	-----	-----	-----	-----
MC10-070SO-AEW	MA10-070SO-AEW	GaAsP ON GaP ORANGE	635	2.1	3.0	2.0	3.3
MC10-070SH-ARR	MA10-070SH-ARR	GaAsP ON GaP HI-EFF RED	635	2.1	3.0	2.0	3.3

Package Dimensions And Pin Function

CATHODE ROW
PIN NO. FUNCTION

- 1.CATHODE ROW 1
- 2.CATHODE ROW 2
- 3.ANODE COLUMN 2
- 4.ANODE COLUMN 1
- 5.CATHODE ROW 6
- 6.CATHODE ROW 7
- 7.ANODE COLUMN 3
- 8.CATHODE ROW 5
- 9.ANODE COLUMN 4
- 10.CATHODE ROW 4
- 11.CATHODE ROW 3
- 12.ANODE COLUMN 5

ANODE ROW
PIN NO. FUNCTION

- 1.ANODE ROW 1
- 2.ANODE ROW 2
- 3.CATHODE COLUMN 2
- 4.CATHODE COLUMN 1
- 5.ANODE ROW 6
- 6.ANODE ROW 7
- 7.CATHODE COLUMN 3
- 8.ANODE ROW 5
- 9.CATHODE COLUMN 4
- 10.ANODE ROW 4
- 11.ANODE ROW 3
- 12.CATHODE COLUMN 5

1.ALL DIMENSIONS ARE IN mm, TOLERANCE IS ±0.25mm UNLESS OTHERWISE NOTED.
2.THE SLOPE ANGLE OF ANY PIN MAY BE ±5.0°MAX.