



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 ($\le 100\mu A$)	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		LUMINOUS INTENSITY	
COMMON ANODE	COMMON CATHODE	MATERIAL	EMITTING COLOR	SURFACE	SEGMENT OR DOT		@40 mA(V)	@20 mA(V)	@20 (mcd)	@10 (mcd)
							SEG.	DP.	SEG.	DP.
							TYP.	TYP.	TYP.	TYP.
AA10-230SR-QEW	AC10-230SR-QEW	GaP	RED	GREY	WHITE	700	4.2	2.1	1.8	1.8
AA10-230SG-QEW	AC10-230SG-QEW	GaP	GREEN	GREY	WHITE	567	4.2	2.1	6.8	6.8
AA10-230SY-QEW	AC10-230SY-QEW	GaAsP ON GaP	YELLOW	GREY	WHITE	585	4.2	2.1	5.5	5.5
AA10-230SO-QEW	AC10-230SO-QEW	GaAsP ON GaP	ORANGE	GREY	WHITE	635	4.2	2.1	7.8	7.8
AA10-230SH-QRR	AC10-230SH-QRR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	4.2	2.1	7.8	7.8

Package Dimensions And Pin Function

COMMON ANODE PIN NO. FUNCTION

- COMMON ANODE
- CATHODE G1
- CATHODE E
- CATHODE D2
- CATHODE M
- CATHODE L
- CATHODE D1
- CATHODE K
- CATHODE C
- CATHODE DP
- COMMON ANODE
- CATHODE G2
- CATHODE B
- CATHODE A2
- CATHODE J
- CATHODE I
- CATHODE A1
- CATHODE H
- CATHODE F
- NO CONNECTION

COMMON CATHODE PIN NO. FUNCTION

- COMMON CATHODE
- ANODE G1
- ANODE E
- ANODE D2
- ANODE M
- ANODE L
- ANODE D1
- ANODE K
- ANODE C
- ANODE DP
- COMMON CATHODE
- ANODE G2
- ANODE B
- ANODE A2
- ANODE J
- ANODE I
- ANODE A1
- ANODE H
- ANODE F
- NO CONNECTION

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.