



Feature

- * 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 (<100μ 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	COMMON ANODE	COMMON CATHODE	MATERIAL	EMITTING COLOR	SURFACE	SEGMENT OR DOT	PEAK WAVELENGTH @20mA(nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @10mA(mcd)	
										SEG.	DP.	MIN.	TYP.
										TYP.	TYP.	MIN.	TYP.
DA10-120SR-AEW	DC10-120SR-AEW	GaP	RED	GREY	WHITE	700	4.2	2.1	0.7	1.2			
DA10-120SG-AEW	DC10-120SG-AEW	GaP	GREEN	GREY	WHITE	567	4.2	2.1	2.5	4.6			
DA10-120SY-AEW	DC10-120SY-AEW	GaAsP ON GaP	YELLOW	GREY	WHITE	585	4.2	2.1	2.0	3.7			
DA10-120SO-AEW	DC10-120SO-AEW	GaAsP ON GaP	ORANGE	GREY	WHITE	635	4.2	2.1	2.9	5.2			
DA10-120SH-ARR	DC10-120SH-ARR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	4.2	2.1	2.9	5.2			

Package Dimensions And Pin Function

Technical drawing showing the package dimensions and pin functions for the 1.2" single digit display. The drawing includes a top view with dimensions (30.5, 17.6, 10°, 10+, 6, 3.0, 28.8, 3.5 DIA., 6.0±0.5, 2.54x4=10.16) and a side view with dimensions (40.8, 9.0, 0.5 DIA., 35.2). The pin functions are listed below:

COMMON ANODE PIN NO. FUNCTION	COMMON CATHODE PIN NO. FUNCTION
1.COMMON ANODE	1.COMMON CATHODE
2.CATHODE E	2.ANODE E
3.CATHODE D	3.ANODE D
4.CATHODE C	4.ANODE C
5.CATHODE DP	5.ANODE DP
6.CATHODE B	6.ANODE B
7.CATHODE A	7.ANODE A
8.COMMON ANODE	8.COMMON CATHODE
9.CATHODE F	9.ANODE F
10.CATHODE G	10.ANODE G

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.