



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 BODY)	260°C FOR 5 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 @10mA(mcd)				
				TYP.	MAX.	MIN.	TYP.			
AA20-054SR-AEW	AC20-054SR-AEW	GaP	RED	GREY	WHITE	700	2.1	3.0	0.3	0.8
AA20-054SG-AEW	AC20-054SG-AEW	GaP	GREEN	GREY	WHITE	567	2.1	3.0	1.1	2.9
AA20-054SY-AEW	AC20-054SY-AEW	GaAsP ON GaP	YELLOW	GREY	WHITE	585	2.1	3.0	0.9	2.3
AA20-054SO-AEW	AC20-054SO-AEW	GaAsP ON GaP	ORANGE	GREY	WHITE	635	2.1	3.0	1.3	3.3
AA20-054SH-ARR	AC20-054SH-ARR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	2.1	3.0	1.3	3.3

Package Dimensions And Pin Function

Technical drawing showing the package dimensions and pin function for the dual digit display. The drawing includes a top view of the two digits (DIGIT1 and DIGIT2) with dimensions: 12.7mm width, 5° slope, 1.0mm height, 8.1mm digit width, 1.6mm diameter pin, 13.72mm total height, 25.2mm total width, 6.5±0.5mm pin height, and 2.54x8=20.32mm pin pitch. A side view shows a 7.7mm width, 21.2mm height, and 15.24mm body height with a 0.5mm diameter feature. A pin function table is provided below the drawing.

COMMON ANODE		COMMON CATHODE	
PIN NO.	FUNCTION	PIN NO.	FUNCTION
1	CATHODE E	1	ANODE E
2	CATHODE M	2	ANODE M
3	NO CONNECTION	3	NO CONNECTION
4	CATHODE L	4	ANODE L
5	CATHODE K	5	ANODE K
6	CATHODE G2	6	ANODE G2
7	CATHODE D	7	ANODE D
8	CATHODE DP	8	ANODE DP
9	CATHODE C	9	ANODE C
10	CATHODE B	10	ANODE B
11	DIGIT 2 COMMON ANODE	11	DIGIT 2 COMMON CATHODE
12	CATHODE A	12	ANODE A
13	CATHODE G1	13	ANODE G1
14	CATHODE J	14	ANODE J
15	CATHODE I	15	ANODE I
16	DIGIT 1 COMMON ANODE	16	DIGIT 1 COMMON CATHODE
17	CATHODE H	17	ANODE H
18	CATHODE F	18	ANODE F

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.