



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. (1.6 mm FROM BODY).....	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 @10mA(mcd)				
				TYP.	MAX.	MIN.	TYP.			
AA20-054SR-HEW	AC20-054SR-HEW	GaP	RED	GREY	WHITE	700	2.1	2.4	0.3	0.8
AA20-054SG-HEW	AC20-054SG-HEW	GaP	GREEN	GREY	WHITE	572	2.1	2.4	1.1	2.9
AA20-054SY-HEW	AC20-054SY-HEW	GaAsP	YELLOW	GREY	WHITE	589	2.1	2.4	0.9	2.3
AA20-054SO-HEW	AC20-054SO-HEW	GaAsP	ORANGE	GREY	WHITE	630	2.1	2.4	1.3	3.3
AA20-054SH-ARR	AC20-054SH-ARR	GaAsP	HI-EFF RED	RED	RED	630	2.1	2.4	1.3	3.3

Package Dimensions And Pin Function

Technical drawings showing package dimensions and pin functions. Dimensions include 12.7, 5°, 13.72, 8.1, 1.0, 1.6 DIA, 7.7, 21.2, 15.24, 0.5 DIA, 25.2, 6.5±0.5, and 2.54x8=20.32.

COMMON ANODE PIN NO. FUNCTION		COMMON CATHODE PIN NO. FUNCTION	
1. CATHODE G1 (ANODE 1)	12. CATHODE A1 (ANODE 1)	1. ANODE G1 (CATHODE 1)	12. ANODE A1 (CATHODE 1)
2. CATHODE G2 (ANODE 2)	13. CATHODE A2 (ANODE 2)	2. ANODE G2 (CATHODE 2)	13. ANODE A2 (CATHODE 2)
3. CATHODE G3 (ANODE 3)	14. CATHODE B1 (ANODE 3)	3. ANODE G3 (CATHODE 3)	14. ANODE B1 (CATHODE 3)
4. CATHODE G4 (ANODE 4)	15. CATHODE B2 (ANODE 4)	4. ANODE G4 (CATHODE 4)	15. ANODE B2 (CATHODE 4)
5. NO PIN	16. CATHODE F1 (ANODE 1)	5. NO PIN	16. ANODE F1 (CATHODE 1)
6. CATHODE K1 (ANODE 3)	17. CATHODE F2 (ANODE 2)	6. CATHODE K2 (ANODE 4)	17. ANODE F2 (CATHODE 2)
7. CATHODE K2 (ANODE 4)	18. COMMON ANODE 1	7. CATHODE M1 (ANODE 1)	18. COMMON CATHODE 1
8. CATHODE M1 (ANODE 1)	19. NO PIN	8. CATHODE M2 (ANODE 2)	19. NO PIN
9. CATHODE C1 (ANODE 3)	20. CATHODE I1 (ANODE 1)	9. ANODE C1 (CATHODE 3)	20. ANODE I1 (CATHODE 1)
10. CATHODE C2 (ANODE 4)	21. CATHODE I2 (ANODE 2)	10. ANODE C2 (CATHODE 4)	21. ANODE I2 (CATHODE 2)
11. CATHODE E1 (ANODE 1)	22. COMMON CATHODE 3	11. CATHODE E2 (ANODE 2)	22. ANODE L1 (CATHODE 3)
12. COMMON ANODE 3	23. ANODE L1 (CATHODE 3)	12. COMMON CATHODE 4	23. ANODE L2 (CATHODE 4)
13. CATHODE DP1 (ANODE 3)	24. ANODE L2 (CATHODE 4)	13. NO PIN	24. ANODE H1 (CATHODE 1)
14. NO PIN	25. ANODE H1 (CATHODE 1)	14. COMMON ANODE 2	25. ANODE H2 (CATHODE 2)
15. COMMON ANODE 2	26. ANODE H2 (CATHODE 2)	15. CATHODE DP2 (ANODE 4)	26. ANODE J1 (CATHODE 3)
16. CATHODE DP2 (ANODE 4)	27. ANODE J1 (CATHODE 3)	16. COMMON ANODE 4	27. ANODE J2 (CATHODE 4)
17. NO PIN	28. ANODE J2 (CATHODE 4)	17. NO PIN	

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.