



Features

- * LOW CURRENT REQUIREMENTS
- * EXCELLENT CHARACTER APPERANCE
- * 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 @10(mcd)				
				TYP.	MAX.	MIN.	TYP.			
DA20-040SR-AEW	DC20-040SR-AEW	GaP	RED	GREY	WHITE	700	2.1	3.0	0.5	0.8
DA20-040SG-AEW	DC20-040SG-AEW	GaP	GREEN	GREY	WHITE	567	2.1	3.0	1.7	2.9
DA20-040SY-AEW	DC20-040SY-AEW	GaAsP ON GaP	YELLOW	GREY	WHITE	585	2.1	3.0	1.4	2.3
DA20-040SO-AEW	DC20-040SO-AEW	GaAsP ON GaP	ORANGE	GREY	WHITE	635	2.1	3.0	2.0	3.3
DA20-040SH-ARR	DC20-040SH-ARR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	2.1	3.0	2.0	3.3

Package Dimensions And Pin Function

10.0 10° 1.1

10.16

6.0 1.3 DIA.

DIGIT1 DIGIT2

7.0 0.5 DIA. 12.7

16.0

20.27

6.6±0.5

2.54×7=17.78

COMMON ANODE
PIN NO. FUNCTION

- 1.CATHODE C (DIGIT 1)
- 2.CATHODE E (DIGIT 1)
- 3.CATHODE D (DIGIT 1)
- 4.DIGIT 1 COMMON ANODE
- 5.DIGIT 2 COMMON ANODE
- 6.CATHODE D (DIGIT 2)
- 7.CATHODE E (DIGIT 2)
- 8.CATHODE C (DIGIT 2)
- 9.CATHODE G (DIGIT 2)
- 10.CATHODE A (DIGIT 2)
- 11.CATHODE F (DIGIT 2)
- 12.CATHODE B (DIGIT 2)
- 13.CATHODE B (DIGIT 1)
- 14.CATHODE F (DIGIT 1)
- 15.CATHODE A (DIGIT 1)
- 16.CATHODE G (DIGIT 1)

COMMON CATHODE
PIN NO. FUNCTION

- 1.ANODE C (DIGIT 1)
- 2.ANODE E (DIGIT 1)
- 3.ANODE D (DIGIT 1)
- 4.DIGIT 1 COMMON CATHODE
- 5.DIGIT 2 COMMON CATHODE
- 6.ANODE D (DIGIT 2)
- 7.ANODE E (DIGIT 2)
- 8.ANODE C (DIGIT 2)
- 9.ANODE G (DIGIT 2)
- 10.ANODE A (DIGIT 2)
- 11.ANODE F (DIGIT 2)
- 12.ANODE B (DIGIT 2)
- 13.ANODE B (DIGIT 1)
- 14.ANODE F (DIGIT 1)
- 15.ANODE A (DIGIT 1)
- 16.ANODE G (DIGIT 1)

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.