



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 ($\leq 100\mu A$)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.			
DA20-052SR-AEW	DC20-052SR-AEW	GaP	RED	GREY	WHITE	700	2.1	3.0	0.5	0.8
DA20-052SG-AEW	DC20-052SG-AEW	GaP	GREEN	GREY	WHITE	567	2.1	2.6	1.7	2.9
DA20-052SY-AEW	DC20-052SY-AEW	GaAsP ON GaP	YELLOW	GREY	WHITE	585	2.1	3.0	1.4	2.3
DA20-052SO-AEW	DC20-052SO-AEW	GaAsP ON GaP	ORANGE	GREY	WHITE	635	2.1	3.0	2.0	3.3
DA20-052SH-ARR	DC20-052SH-ARR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	2.1	3.0	2.0	3.3

Package Dimensions And Pin Function

Technical drawing showing the package dimensions and pin functions for the dual digit display. The top view shows two digits, DIGIT1 and DIGIT2, with segment labels A through F and DP. Dimensions include a total width of 25.0 mm, a height of 13.2 mm, and a pin pitch of 2.54 mm. The side view shows a height of 17.5 mm and a pin height of 1.4 mm. The pin function table is provided below the drawing.

COMMON ANODE		COMMON CATHODE	
PIN NO.	FUNCTION	PIN NO.	FUNCTION
1	CATHODE E (DIGIT 1)	1	ANODE E (DIGIT 1)
2	CATHODE D (DIGIT 1)	2	ANODE D (DIGIT 1)
3	CATHODE C (DIGIT 1)	3	ANODE C (DIGIT 1)
4	CATHODE DP (DIGIT 1)	4	ANODE DP (DIGIT 1)
5	CATHODE E (DIGIT 2)	5	ANODE E (DIGIT 2)
6	CATHODE D (DIGIT 2)	6	ANODE D (DIGIT 2)
7	CATHODE G (DIGIT 2)	7	ANODE G (DIGIT 2)
8	CATHODE C (DIGIT 2)	8	ANODE C (DIGIT 2)
9	CATHODE DP (DIGIT 2)	9	ANODE DP (DIGIT 2)
10	CATHODE B (DIGIT 2)	10	ANODE B (DIGIT 2)
11	CATHODE A (DIGIT 2)	11	ANODE A (DIGIT 2)
12	CATHODE F (DIGIT 2)	12	ANODE F (DIGIT 2)
13	DIGIT 2 COMMON ANODE	13	DIGIT 2 COMMON CATHODE
14	DIGIT 1 COMMON ANODE	14	DIGIT 1 COMMON CATHODE
15	CATHODE B (DIGIT 1)	15	ANODE B (DIGIT 1)
16	CATHODE A (DIGIT 1)	16	ANODE A (DIGIT 1)
17	CATHODE G (DIGIT 1)	17	ANODE G (DIGIT 1)
18	CATHODE F (DIGIT 1)	18	ANODE F (DIGIT 1)

1. ALL DIMENSIONS ARE IN mm, TOLERANCE IS ± 0.25 mm UNLESS OTHERWISE NOTED.
 2. THE SLOPE ANGLE OF ANY PIN MAY BE $\pm 5.0^\circ$ MAX.