



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 (<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 5 SEC.

Electrical/optical characteristics at T_A=25°C

PART NUMBER	COMMON ANODE	COMMON CATHODE	LED CHIP		FACE COLOR		PEAK WAVELENGTH @20mA(nm)	FORWARD VOLTAGE @20mA(V)		LUMINOUS INTENSITY @10mA(mcd)	
			MATERIAL	EMITTING COLOR	SURFACE	SEGMENT OR DOT		TYP.	MAX.	MIN.	TYP.
DA20-050SR-VEW		DC20-050SR-VEW	GaP	RED	GREY	WHITE	700	2.1	3.0	0.3	0.8
DA20-050SG-VEW		DC20-050SG-VEW	GaP	GREEN	GREY	WHITE	567	2.1	3.0	1.1	2.9
DA20-050SY-VEW		DC20-050SY-VEW	GaAsP ON GaP	YELLOW	GREY	WHITE	585	2.1	3.0	0.9	2.3
DA20-050SO-VEW		DC20-050SO-VEW	GaAsP ON GaP	ORANGE	GREY	WHITE	635	2.1	3.0	1.3	3.3
DA20-050SH-VRR		DC20-050SH-VRR	GaAsP ON GaP	HI-EFF RED	RED	RED	635	2.1	3.0	1.3	3.3

Package Dimensions And Pin Function

COMMON ANODE

PIN NO. FUNCTION

- CATHODE D
- CATHODE DP
- CATHODE E
- CATHODE C
- DIGIT 2 COMMON ANODE
- CATHODE B
- CATHODE A
- CATHODE F
- CATHODE G
- DIGIT 1 COMMON ANODE

COMMON CATHODE

PIN NO. FUNCTION

- ANODE D
- ANODE DP
- ANODE E
- ANODE C
- DIGIT 2 COMMON CATHODE
- ANODE B
- ANODE A
- ANODE F
- ANODE G
- DIGIT 1 COMMON CATHODE

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.