

2.4 Common Anode 1.0 Inch (25.40mm)

PRODUCT DESCRIPTION	
(1) Double Digit 1.0 Inch (25.40mm) Height	(5) Gray or black color background
(2) Low current operation	(6) Common Anode
(3) Excellent color and font characteristics	(7) RoHs Compliant Part
(4) Colors: White, blue, red, yellow and green	

Absolute Maximum Rating (Ta = 25°C)

PARAMETER	RED	AMBER	GREEN	BLUE	WHITE	UNITS
DC Forward Current Per Segment	30	30	25	30	20	mA
Peak Current Per Segment ⁽¹⁾	70	50	50	25	25	mA
Avg. Forward Current (Pulse Operation) Per Segment	30	30	25	25	25	mA
Derating Linear From 25°C Per Segment	0.3					mA/°C
Reverse Voltage ⁽²⁾	3					V
Operating Temperature	-25 to +85					°C
Storage Temperature	-30 to +85					°C

(1) Pulse conditions of 1/10 duty and 0.1msec width, for long operating life, max. of 20mA recommended

(2) Reverse biasing of the dot matrix is not recommend, will cause damage to the leds

Electro-optical Characteristics (Ta = 25°C)

PART NUMBER	DICE MATERIAL (COLOR)	PEAK WAVELENGTH (nm)	MAX. REVERSE CURRENT / SEGMENT (uA)	VF (V) TYP	VF (V) MAX.	LUMINOUS INTENSITY / SEGMENT AVERAGE (IF = 10mA)
LEDD10022TUR11	AllnGaP Red	630	10	1.8	2.3	30,000 ucd
LEDD10022TB11	InGaN Blue	468	10	3.3	4.0	48,000 ucd
LEDD10022YG11	AllnGaP Green	568	10	1.9	2.3	30,000 ucd
LEDD10022UY11	AllnGaP Amber	590	10	1.8	2.3	30,000 ucd
LEDD10022TW11	InGan White	5,500K	10	3.3	4.0	—

DEVICE DIAGRAM

First Digit Segment				Second Digit Segment			
PIN		PIN		PIN		PIN	
1	Cathode D1	6	Cathode B1	1	Cathode D2	6	Cathode B2
2	Cathode DP1	7	Cathode A1	2	Cathode DP2	7	Cathode A2
3	Cathode E1	8	Cathode F1	3	Cathode E2	8	Cathode F2
4	Cathode C1	9	Cathode G1	4	Cathode C2	9	Cathode G2
5	Common Anode 5	10	Common Anode 10	5	Common Anode 5	10	Common Anode 10

