3. 7 Segment Three Digit LED Display

3.1 Common Anode 0.36 Inch (9.14mm)

PRODUCT DESCRIPTION	
(1) Three Digit 0.36 Inch (9.14mm) 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℃)

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℃ Per Segment	0.3					mA/℃
Reverse Voltage (2)	3					V
Operating Temperature	-25 to +85					℃
Storage Temperature	-30 to +85					℃

(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℃)

PART NUMBER	DICE MATERIAL (COLOR)	PEAK WAVELENGTH (nm)	MAX. REVERSE CURRENT / SEGMENT (A)	VF (V) TYP	VF (V) MAX.	LUMINOUS INTENSITY / SEGMENT AVERAGE (IF = 10mA)
LEDT3632AUR11	AlGaAs Red	660	10	1.8	2.3	18,000 ucd
LEDT3632TUR11	InGaAlP Red	630	10	1.8	2.3	30,000 ucd
LEDT3632TB11	InGaN Blue	468	10	3.3	4.0	35,000 ucd
LEDT3632YG11	GaP Green	568	10	1.9	2.3	12,000 ucd
LEDT3632UY11	AlInGaP Amber	590	10	1.8	2.3	30,000 ucd
LEDT3632TW11	InGan White	5,500K	10	3.3	4.0	35,000 ucd

DEVICE DIAGRAM

First Digit Segment				Second Digit Segment			
PIN		PIN		PIN		PIN	
1	Cathode E1	6	NC	1	Cathode E2	6	NC
2	Cathode D1	7	Cathode B1	2	Cathode D2	7	Cathode B2
3	Cathode DP1	10	Cathode F1	3	Cathode DP2	10	Cathode F2
4	Cathode C1	11	Cathode A1	4	Cathode C2	11	Cathode A2
5	Cathode G1			5	Cathode G2		
Third Digit Segment							
PIN		PIN		PIN			
1	Cathode E3	6	NC	8	Common Anode 8		
2	Cathode D3	7	Cathode B3	9	Common Anode 9		
3	Cathode DP3	10	Cathode F3	12	Common Anode 10		
4	Cathode C3	11	Cathode A3				
5	Cathode G3