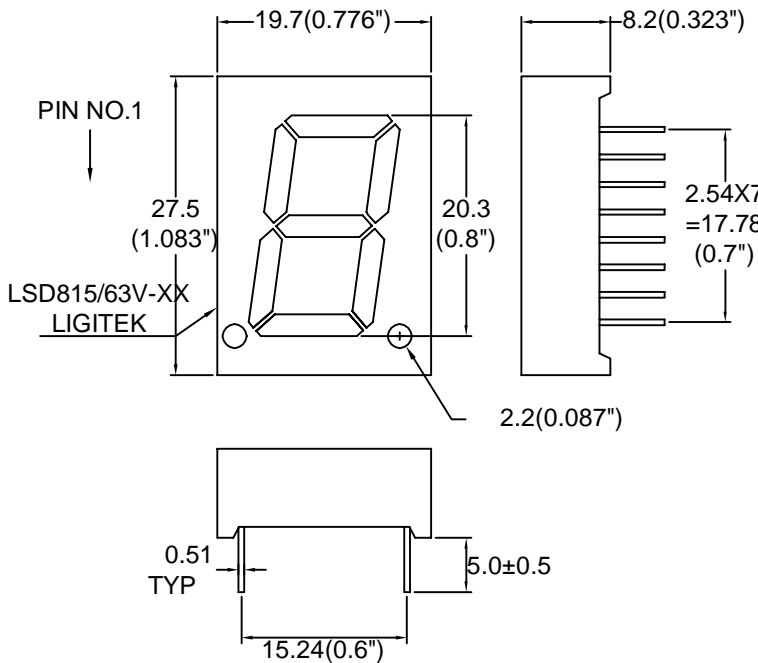
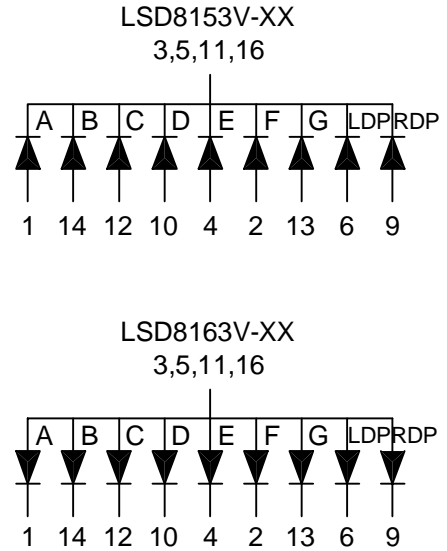




PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



NOTE:1.All Dimension Are In Millimeters And (Inch)
Tolerance Is ±0.25(0.01") unless Otherwise Noted
2.Specifications are subject to change without notice.

Connection To Electrical Schematic

Electrical connection

PIN NO.	LSD8153V-XX	PIN NO.	LSD8163V-XX
1	Anode A	1	Cathode A
2	Anode F	2	Cathode F
3	Common Cathode	3	Common Anode
4	Anode E	4	Cathode E
5	Common Cathode	5	Common Anode
6	Anode LDP	6	Cathode LDP
7	No Pin	7	No Pin
8	No Pin	8	No Pin
9	Anode RDP	9	Cathode RDP
10	Anode D	10	Cathode D
11	Common Cathode	11	Common Anode
12	Anode C	12	Cathode C
13	Anode G	13	Cathode G
14	Anode B	14	Cathode B
15	No Pin	15	No Pin
16	Common Cathode	16	Common Anode

Part Selection And Application Information(Ratings At 25 Ambient)

PART NO	CHIP		common cathode or anode	d (nm)	(nm)	Electrical					IV-M
	material	emitted				Vf(v)			Iv(mcd)		
						Min.	Typ.	Max.	Min.	Typ.	
LSD8153V-XX	AlGaInP	Yellow	Common Cathode	590	20	1.7	2.1	2.6	18	31	2:1
LSD8163V-XX	AlGaInP	Yellow	Common Anode	590	20	1.7	2.1	2.6	18	31	2:1

Absolute Maximum Rating (Ta=25)

Parameter	Red	Green	Yellow	Orange	Unit	Remark
Forward Current Per Chip			VY			
			30		mA	
Peak Current Per Chip (Duty 1/10,0.1mS Pulse Width)			60		mA	
Power Dissipation Per Chip			75		mW	
Reverse Current Per Any Chip			10		μA	
Operating Temperature	-25 TO +85					
Storage Temperature	-25 TO +85					

Solder Temperature 1-16 Inch Below Seating Plane For 3 Seconds At 260

Test Condition For Each Parameter

Parameter	Symbol	Unit	Test Condition
Forward Voltage Per Chip	Vf	volt	If=20mA
Luminous Intensity Per Chip	Iv	mcd	If=10mA
Dominant Wavelength	d	nm	If=20mA
Spectral Line Half-Width		nm	If=20mA
Reverse Current Any Chip	Ir	μA	Vr=5V
Luminous Intensity Matching Ratio	IV-M		