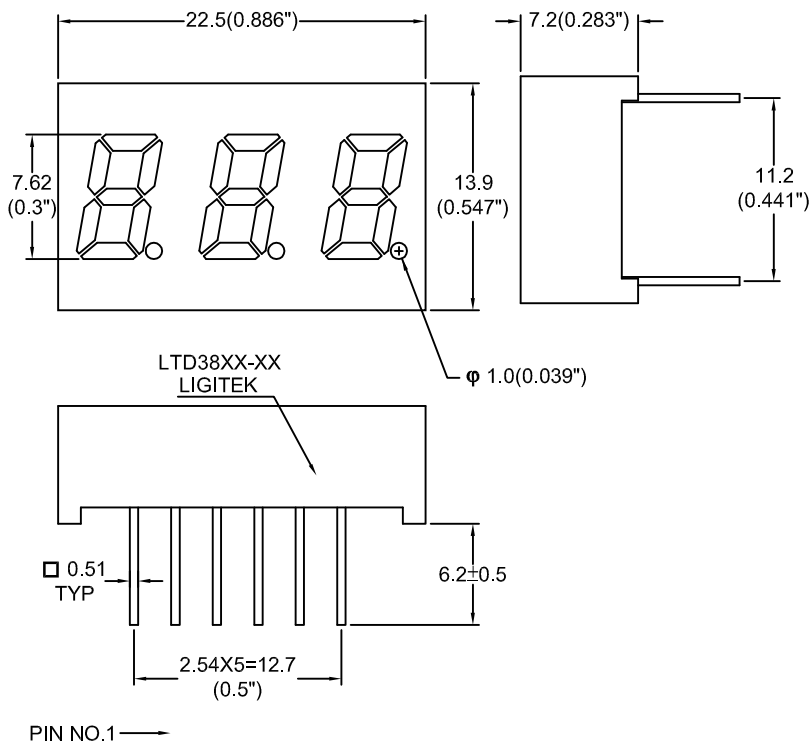
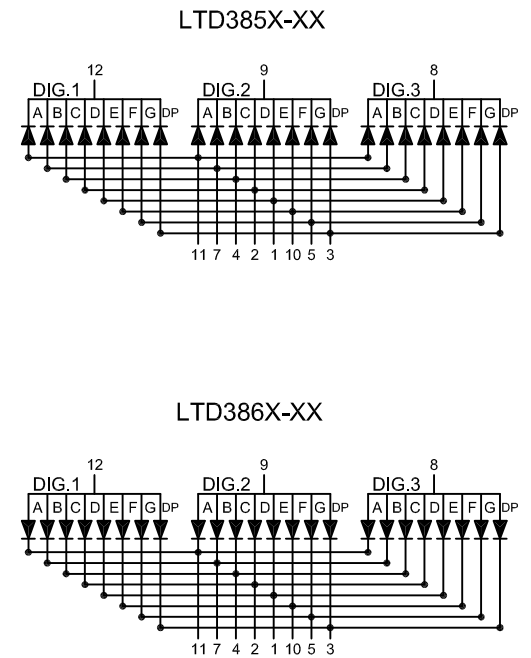


PACKAGE DIMENSION



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

INTERNAL CIRCUIT DIAGRAM



▪ Connection To Electrical Schematic

Electrical connection

PIN NO.	LTD385X-XX	PIN NO.	LTD386X-XX
1	Anode E	1	Cathode E
2	Anode D	2	Cathode D
3	Anode DP	3	Cathode DP
4	Anode C	4	Cathode C
5	Anode G	5	Cathode G
6	No Connect	6	No Connect
7	Anode B	7	Cathode B
8	Common Cathode Dig.3	8	Common Anode Dig.3
9	Common Cathode Dig.2	9	Common Anode Dig.2
10	Anode F	10	Cathode F
11	Anode A	11	Cathode A
12	Common Cathode Dig.1	12	Common Anode Dig.1

• Part Selection And Application Information(Ratings At 25°C Ambient)

PART NO	CHIP		common cathode or anode	λ_p (nm)	$\Delta \lambda$ (nm)	Electrial					IV-M
	material	emitted				Vf(v)			Iv(mcd)		
						Min	Typ	Max	Min	Typ	
LTD3855-XX	GaAlAs	Red	Common Cathode	660	20	1.5	1.7	2.4	1.35	2.35	2:1
LTD3851-XX	GaP	Red		697	90	1.7	2.1	2.8	0.1	0.2	2:1
LTD3854-XX	GaAsP/GaP	Orange		635	45	1.7	2.0	2.8	0.3	0.6	2:1
LTD3865-XX	GaAlAs	Red	Common Anode	660	20	1.5	1.7	2.4	1.35	2.35	2:1
LTD3861-XX	GaP	Red		697	90	1.7	2.1	2.8	0.1	0.2	2:1
LTD3864-XX	GaAsP/GaP	Orange		635	45	1.7	2.0	2.8	0.3	0.6	2:1

• Absoul Maximum Rating (Ta=25°C)

Parameter	Red		Green		Yellow		Orange		Unit	Remark
Forward Current Per Chip	SR	H						E		
	40	15						30	mA	
Peak Current Per Chip (Duty 1/10,0.1mS Pulse Width)	200	60						120	mA	
Power Dissipation Per Chip	110	45						100	mW	
Derating Linear From 25°C Per Chip	0.45	0.25						0.45	mA/°C	
Reverse Current Per Any Chip	10							10	μA	
Operating Temperature	-25°C TO +85°C									
Storage Temperature	-25°C TO +85°C									

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

• 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
Peak Emission Wavelength	λ_p	nm	If=20mA
Spectral Line Half-Width	$\Delta \lambda$	nm	If=20mA
Reverse Current Any Chip	Ir	μA	Vr=5V
Luminous Intensity Matching Ratio	IV-M		