



EXCEED PERSEVERANCE ELECTRONIC INDUSTRY CO., LTD.

深圳市超毅光电子有限公司

0.8" Single Digit Display.

Part Number:

RL-S0810GDBW
RL-S0820SBRW

RL-S0810YCBW
RL-S0820RCBW

RL-S0820OCAW

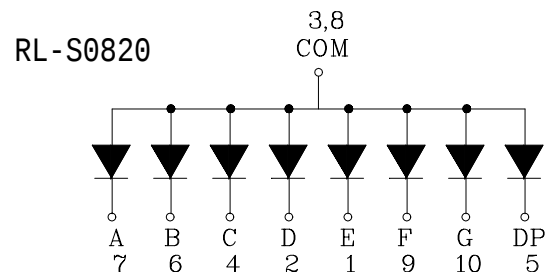
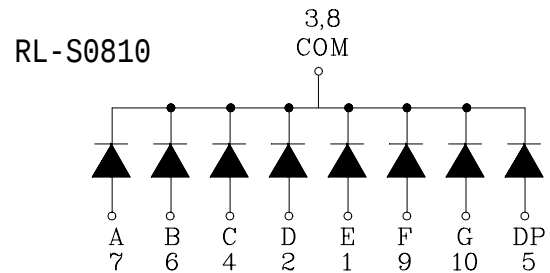
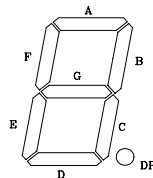
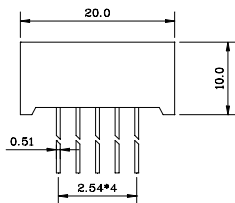
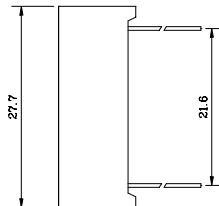
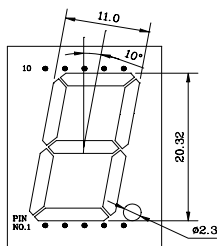
Features

- 1.LOW POWER CONSUMPTION.
- 2.RELIABLE AND RUGGED.
- 3.EXCELLENT UNIFORMITY OF LIGHT OUTPUT.
- 4.SUITABLE FOR LEVEL INDICATOR.
- 5.I.C COMPATIBLE.
- 6.LONG LIFE-SOLIDSTATE RELIABILITY.

Notes:

- 1.All dimensions are in millimeters (inches)
- 2.Tolerance is $\pm 0.25(0.01'')$ unless otherwise niter
- 3.Lead spacing is measured where the lead emerge package
- 4.Speciflcations are subject to change without notice

Package Dimensions & Internal Circuit Diagram.



Selection Guide

Part NO.	Chip			Vf (V)			Face Color	C.C Or CA
	Material	Emitted Color	λ_p (nm)	Typ.	Max	At IF=mA		
RL-S0810GDBW	GaP	Yellow Green	570	1400	2100	20	Black	C.C.
RL-S0810YCBW	GaAsP/GaP	Yellow	585	670	1010	20	Black	C.C
RL-S0820OCAW	GaAsP/GaP	Orange Red	630	860	1280	20	Gray	C.A.
RL-S0820SBRW	GaAlAs	Super Red	660	1920	2890	20	Red	C.A.
RL-S0820RCBW	GaP/GaP	Bight Red	700	140	210	20	Black	C.A.

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RL-S0813GDBW
RL-S0823SBRW

RL-S0813YCBW
RL-S0823RCBW

RL-S0823OCAW

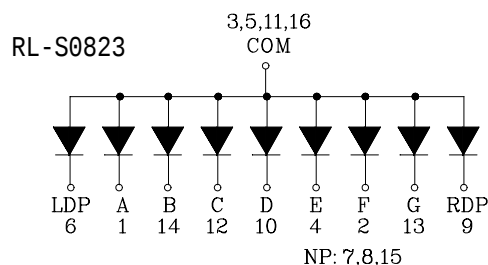
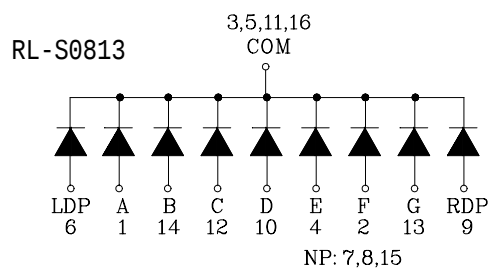
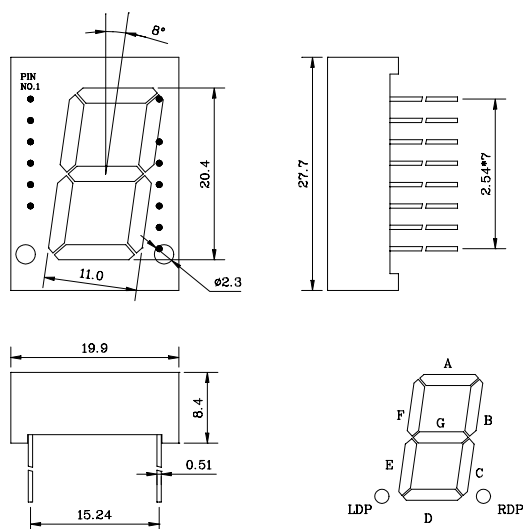
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Electrical/Optical characteristics at T

Symbol	Parameter	Device		Max.	Units	Test Conditions
λ_{peak}	Peak Wavelength	d ed			nm	IF-20mA
λ_D	Dominate Wavelength	d ed			nm	IF-20mA
$\Delta \lambda_{1/2}$	Spectral Line Halfwit	d ed			nm	IF-20mA
C	Capacitance	d er Red Bight Red	40		pF	VF=0V; f=1MHZ
VF	rward Vo	Yellow Green ge R Super Red Bight Red	2.1 2.0 1.7 1	2.8 2.8 2.8		IF
IR	Reverse Current	All		10	uA	VR=5V

A **ings a** .

Parameter	Yellow Green	Yellow	Orange Red	Super Red	Bright Red	Units
Power dissipation	100	85	100	110	45	mW
			25	25	25	mA
Peak Forward Current	160	160	160	200	50	mA
Reverse Voltage	5	5	5	5	5	V

NOTES:

- 1.Operating temperature: 40°C. TO 80°C.
- 2.Lead soldering: 260°C for 5 seconds.