



**0.56" Dual Digit Display.**

**Part Number:**

RL-D5610GDBW  
 RL-D5620SBRW

RL-D5610YCBW  
 RL-D5620RCBW

RL-D5620OCAW

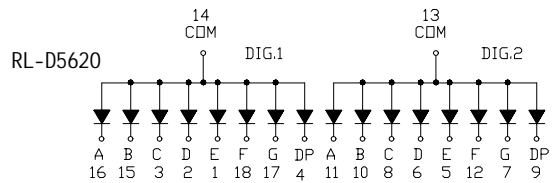
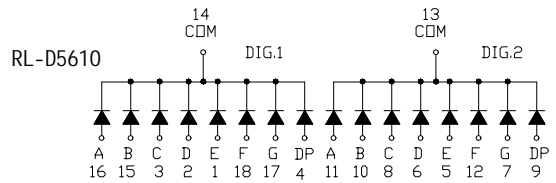
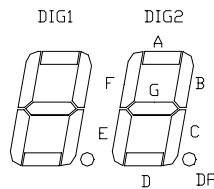
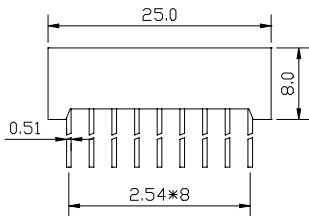
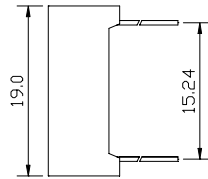
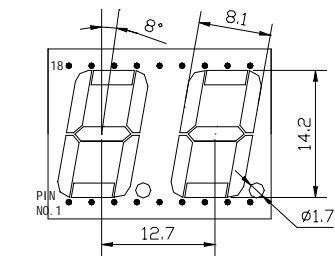
**Features**

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. Specifications 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	$\lambda_p$ (nm)	Typ.	Max	At IF=mA		
RL-D5610GDBW	GaP	Yellow Green	570	2000	3000	20	Black	C.C.
RL-D5610YCBW	GaAsP/GaP	Yellow	585	960	1440	20	Black	C.C
RL-D5620OCAW	GaAsP/GaP	Orange Red	630	1220	1830	20	Gray	C.A.
RL-D5620SBRW	GaAlAs	Super Red	660	2750	4120	20	Red	C.A.
RL-D5620RCBW	GaP/GaP	Bight Red	700	200	300	20	Black	C.A.

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**EXCEED PERSEVERANCE ELECTRONIC INDUSTRY CO., LTD.**

**深圳市超毅光电子有限公司**

**0.56" Dual Digit Display.**

**Part Number:**

RL-D5611GDBW  
RL-D5621SBRW

RL-D5611YCBW  
RL-D5621RCBW

RL-D5621OCAW

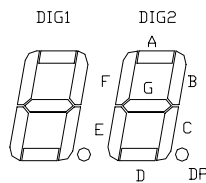
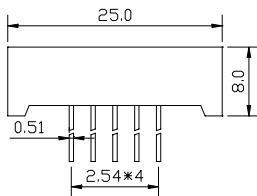
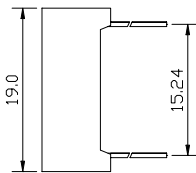
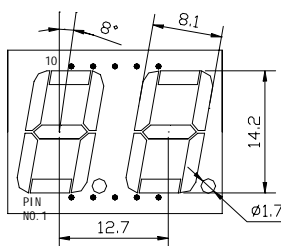
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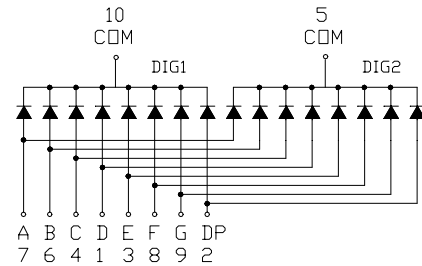
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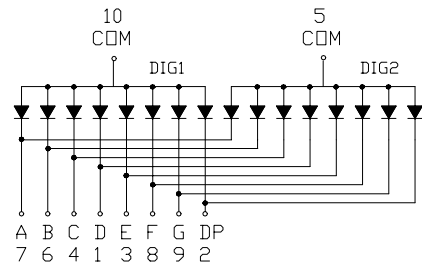
**Package Dimensions & Internal Circuit Diagram.**



RL-D5611



RL-D5621



**Selection Guide,**

Part NO.	Chip			Vf (V)			Face Color	C.C Or CA
	Material	Emitted Color	$\Delta p$ (nm)	Typ.	Max	At IF=mA		
RL-D5611GDBW	GaP	Yellow Green	570	2000	3000	20	Black	C.C.
RL-D5611YCBW	GaAsP/GaP	Yellow	585	960	1440	20	Black	C.C
RL-D5621OCAW	GaAsP/GaP	Orange Red	630	1220	1830	20	Gray	C.A.
RL-D5621SBRW	GaAlAs	Super Red	660	2750	4120	20	Red	C.A.
RL-D5621RCBW	GaP/GaP	Bight Red	700	200	300	20	Black	C.A.

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**0.56" Dual Digit Display.**

**Part Number:**

RL-D5613GDBW  
RL-D5623SBRW

RL-D5613YCBW  
RL-D5623RCBW

RL-D5623OCAW

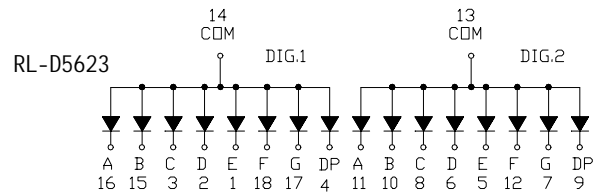
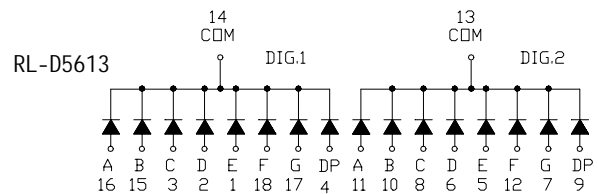
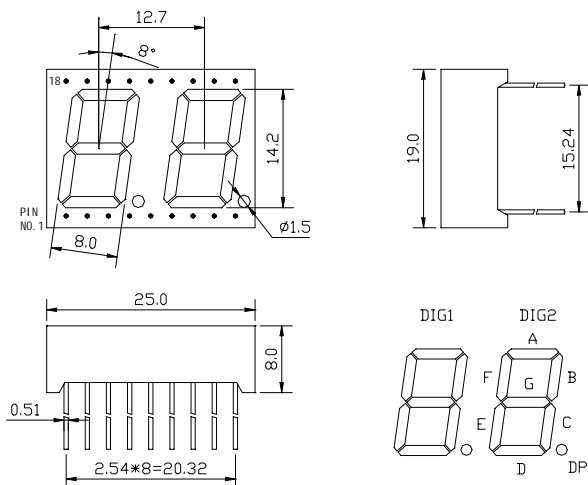
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RL-D5623SBRW	GaAlAs	Super Red	660	2750	4120	20	Red	C.A.
RL-D5623RCBW	GaP/GaP	Bight Red	700	200	300	20	Black	C.A.

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**EXCEED PERSEVERANCE ELECTRONIC INDUSTRY CO., LTD.**

深圳市超毅光电子有限公司

**Electrical and optical characteristics at TA=25°C.**

Symbol	Parameter	Device	Type.	Max.	Units	Test Conditions
$\lambda_{peak}$	Peak Wavelength	Yellow Green Yellow Orange Red Super Red Bright Red	570 585 630 660 700		nm	IF-20mA
$\lambda_D$	Dominate Wavelength	Yellow Green Yellow Orange Red Super Red Bright Red	560 580 610 640 690		nm	IF-20mA
$\Delta \lambda_{1/2}$	Spectral Line Halfwit	Yellow Green Yellow Orange Red Super Red Bright Red	30 35 45 20 45		nm	IF-20mA
C	Capacitance	Yellow Green Yellow Orange Red Super Red Bright Red	15 20 15 45 40		pF	VF=0V; f=1MHZ
VF	Forward Voltage	Yellow Green Yellow Orange Red Super Red Bright Red	2.1 2.0 2.0 1.7 2.1	2.8 2.8 2.8 2.8 2.8	V	IF-20mA
IR	Reverse Current	All		10	uA	VR=5V

**Absolute Maximum Ratings at TA=25°C.**

Parameter	Yellow Green	Yellow	Orange Red	Super Red	Bright Red	Units
Power dissipation	100	85	100	110	45	mW
DC Forward Current	25	25	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.