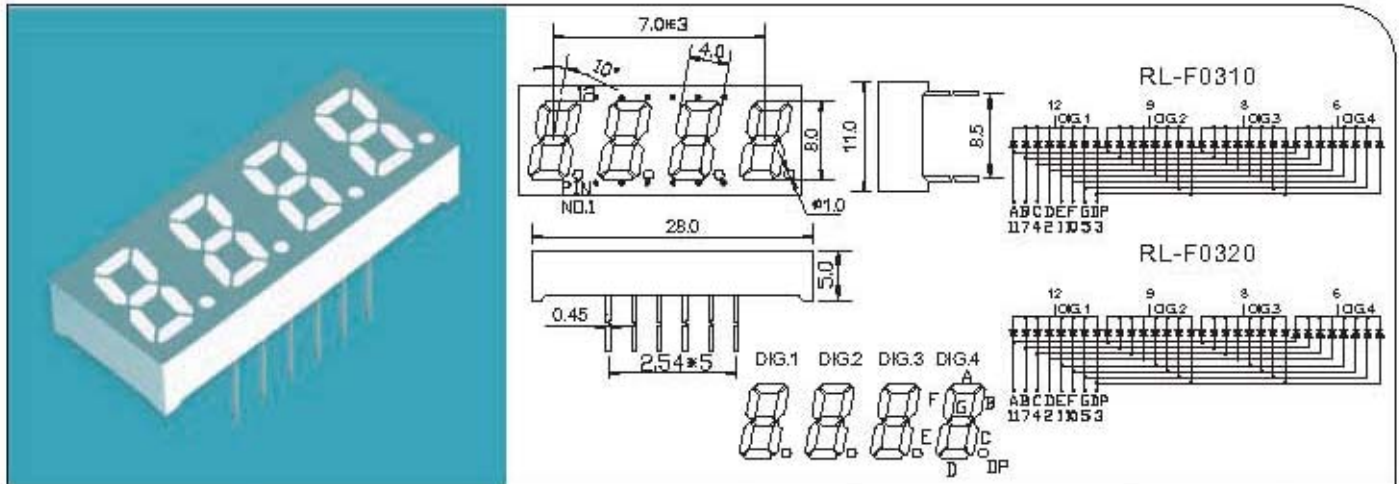


0.3" Quadruple Digit Display


Part Number	Chip			Face color	VF(V)			IV(ucd)		C.C. Or C.A.
	Material	Emitted Color	$\Delta p(nm)$ Min Max		Min	Max	at IF=mA	Min	Max	
RL-F0320SBRW	GaAlAs	Super Red	635 645	Red	1.5	2.4	20	2470	7210	C.A.
RL-F0320BDBW	InGaN	Orange	465 475	Black	2.8	3.8	20	2500	4400	C.A.
RL-F0320OCAW	GaAsP/GaP	Yellow	625 635	Gray	1.7	2.8	20	1100	2150	C.A.
RL-F0310YCBW	GaAsP/GaP	YellowGreen	585 595	Black	1.7	2.8	20	860	1500	C.C.
RL-F0310GDBW	GaP	Blue	565 575	Black	1.7	2.8	20	1800	6200	C.C.

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	MAX. Rating	Unit
Power Dissipation	Pd	100	mW
Peak forward current (10µs Pulse)	IFM	100	mA
Reverse Current	IR	100	µA
Continuous Forward Current	IF	10~20	mA
Operating Temperature	Topr	-40~+85	°C
Storage Temperature	Tstg	-40~+85	°C

Lead Soldering Temperature: 260°C For 5 SEC

FEATURES:

- ◆ Low power consumption
- ◆ Low current operation
- ◆ Excellent character appearance
- ◆ Easy mounting on P.C. boards or sockets
- ◆ I.C. compatible
- ◆ Mechanically rugged
- ◆ Standard: gray face, white segment
- ◆ RoHs compliant
- ◆ Various colors and lens types available

Note: 1. Absolute maximum ratings Ta=25°C.

2. Tolerance of measurement of forward voltage $\pm 0.1V$.

3. Tolerance of measurement of peak Wavelength $\pm 2.0nm$.

4. Tolerance of measurement of luminous intensity $\pm 15\%$.

Reliability Test and Test Items And Result

No	Item	Test Condition	Test Hours/Cycles	Samples Tested	Acc./Rej
1	Room Temperature DC Operating Life	Ta=25°C, IF=20mA	1000 Hrs	76	0/1
2	Thermal Shock	-10°C(5min)→(10sec)→+100°C(5min)	100 Cycles	76	0/1
3	Temperature Cycle	-40°C(30min)→(5min)→+85°C(30min)	100 Cycles	76	0/1
4	High Temp./ High Humi. Test	85°C/85%RH	1000 Hrs	76	0/1
5	High Temperature Storage	Ta=100°C	1000 Hrs	76	0/1
6	Low Temperature Storage	Ta= - 40°C	1000 Hrs	76	0/1
7	Soldering Heat	260°C±5°C	5 Seconds	76	0/1

Typical Electrical / Optical Characteristics Curves 25°C Ambient Temperature Unless Otherwise Noted)

