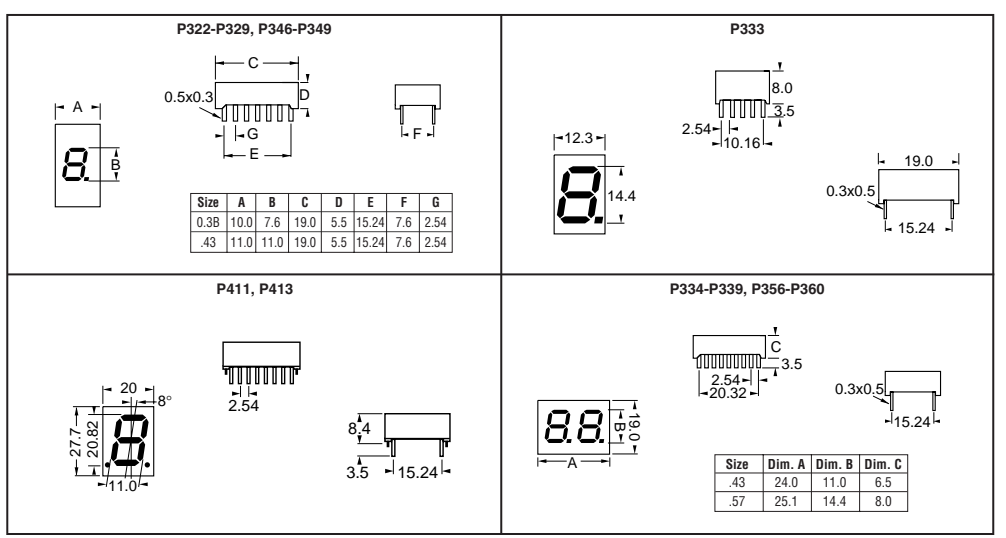
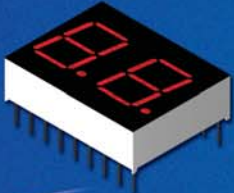
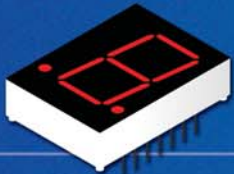
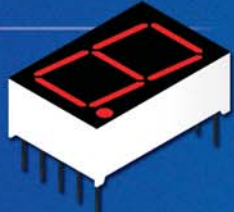
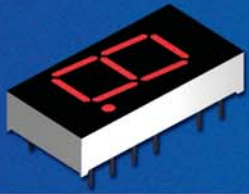


# Panasonic®

## LED Numeric Displays



Color	Size	Absolute Max. Ratings (Ta = 25°C)				Characteristics (Ta = 25°C)				Digi-Key Part No.		Pricing				Panasonic Part No.		
		VR (V)	IF (mA)	IFP† (mA)	PD (mW)	at IF (mA)	IO Typ. (µcd)	Typ. (D.P.) (µcd)	at IF (mA)	VF (V)	Common Anode	Common Cathode	1	10	200	1000	Common Anode	Common Cathode
Red	0.3B	5	20	100	60	5	400	150	20	2.2	P322-ND	—	1.56	14.18	243.81	1049.31	LN513RA	—
Amber	0.3B	5	20	100	60	10	600	200	20	2.2	P324-ND	—	1.90	17.25	296.70	1276.93	LN513YA	—
Orange	0.3B	3	20	100	60	10	1,000	400	20	2.1	P325-ND	P346-ND	1.95	17.72	304.76	1311.63	LN5130A	LN5130K
Red	.43	5	20	100	60	5	450	150	20	2.2	P326-ND	—	1.57	14.25	245.10	1054.86	LN514RA	—
Amber	.43	5	20	100	60	10	600	200	20	2.2	P328-ND	P349-ND	2.11	19.17	329.72	1419.06	LN514YA	LN514YK
Orange	.43	3	20	100	60	10	1,200	500	20	2.1	P329-ND	—	2.11	19.17	329.72	1419.06	LN5140A	—
Orange	.57	3	20	100	60	10	1,200	500	20	2.1	P333-ND	—	2.27	20.66	355.27	1528.99	LN5160A	—
Red	.82	5	20	100	60	5	450	150	20	2.2	P411-ND	—	3.16	28.75	494.50	2128.22	LN518RA	—
Amber	.82	5	20	100	60	10	800	300	20	2.2	P413-ND	—	4.07	37.00	636.40	2738.93	LN518 YA	—
Red	.43	5	20	100	60	5	450	150	20	2.2	P334-ND	—	2.11	19.17	329.72	1419.06	LN524RA	—
Green	.43	5	20	100	60	10	1,500	500	20	2.2	P335-ND	P356-ND	2.44	22.14	380.81	1638.92	LN524GA	LN524GK
Amber	.43	5	20	100	60	10	600	200	20	2.2	P336-ND	P357-ND	2.89	26.25	451.50	1943.16	LN524YA	LN524YK
Red	.57	5	20	100	60	5	600	250	20	2.2	P337-ND	P358-ND	2.06	18.75	322.50	1387.97	LN526RA	LN526RK
Amber	.57	5	20	100	60	10	800	300	20	2.2	P339-ND	P360-ND	2.97	27.00	464.40	1998.68	LN526YA	LN526YK

\* Multiplexed display † The condition of Ipp is duty 10%, pulse width is 1 msec.

## Blue LEDs

### High Brightness

**Max Ratings:**  
 Power Consumption: 120mW  
 Forward Current: 30mA  
 Reverse Voltage: 5V  
 Operating Ambient Temperature: -25 ~ +80°C.  
 Storage Temperature: -30 ~ +100°C  
 Water clear lens when off.

**Blue LED Precautions in Handling:**  
 A blue LED is sensitive to static electricity and care should be fully taken in handling it. Particularly, when an overvoltage is applied, which exceeds the absolute maximum rating of the blue LED, its energy damages the LED.

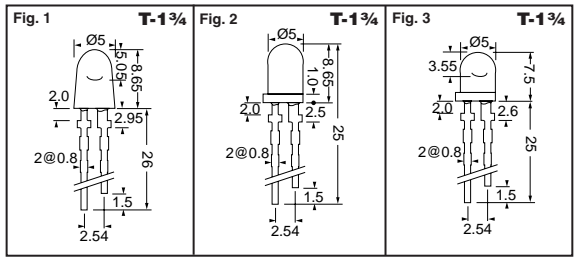


Fig.	Io				VF (V)				Δp	Δλ	(mA)	IR		Viewing Angle (deg)	Digi-Key Part No.	Pricing				Panasonic Part No.
	Typ	Min	Max	IF	Max	Typ	Typ	Typ				Max	VR			1	10	200	1,000	
1	1500	640	20	4.0	3.5	470	30	20	10	5	15	P465-ND	2.67	24.95	463.32	1797.50	LNG992CFBW			
2	650	260	20	4.0	3.5	470	30	20	10	5	30	P466-ND	2.67	24.95	463.32	1797.50	LNG901CFBW			
3	350	140	20	4.0	3.5	470	30	20	10	5	45	P467-ND	2.67	24.95	463.32	1797.50	LNG91LCFBW			