

Fig.	Type	Color	Peak Wavelength (nm)	DC Forward Current I <sub>f</sub> (mA)	Forward Voltage V <sub>f</sub> (V) (Typ.)	Viewing Angle (°)	Luminous Intensity (Typ.) (mcd) @ I <sub>f</sub> (mA)	Digi-Key Part No.	1	Price Each 10	100	Vishay Part No.		
4	MiniLED	Blue	428	10	3.9	120	7	751-1157-1-ND†	.86	.68	.58	TLMB2100-GS08		
		Blue	428	10	3.9	120	7	751-1157-2-ND‡		809.76/3,000		TLMB2100-GS08		
		Green	565	10	2.2	120	10	751-1166-1-ND†	.40	.29	.19	TLMG2100-GS08		
		Green	565	10	2.2	120	10	751-1166-2-ND‡		226.60/3,000		TLMG2100-GS08		
		Soft Orange	605	10	2.1	120	7.5	751-1175-1-ND†	.34	.26	.18	TLMQ2100-GS08		
		Soft Orange	605	10	2.1	120	7.5	751-1175-2-ND‡		232.09/3,000		TLMQ2100-GS08		
		Pure Green	555	10	2.4	120	2.2	751-1177-1-ND†	.39	.28	.19	TLMP2100-GS08		
		Pure Green	555	10	2.4	120	2.2	751-1177-2-ND‡		223.85/3,000		TLMP2100-GS08		
		Red	640	10	2.1	120	7.5	751-1183-1-ND†	.30	.24	.16	TLMS2100-GS08		
		Red	640	10	2.1	120	7.5	751-1183-2-ND‡		209.78/3,000		TLMS2100-GS08		
		Yellow	585	10	2.2	120	7.5	751-1187-1-ND†	.41	.29	.19	TLMY2100-GS08		
		Yellow	585	10	2.2	120	7.5	751-1187-2-ND‡		232.09/3,000		TLMY2100-GS08		
		5	PLCC2	Blue	428	10	3.9	120	8	751-1158-1-ND†	.83	.66	.57	TLMB3100-GS08
				Blue	428	10	3.9	120	8	751-1158-2-ND‡		436.31/1,500		TLMB3100-GS08
Blue	428			10	3.9	120	4 - 12.5	751-1159-1-ND†	.86	.68	.58	TLMB3101-GS08		
Blue	428			10	3.9	120	4 - 12.5	751-1159-2-ND‡		447.09/1,500		TLMB3101-GS08		
Blue	428			10	3.9	120	5 - 12.5	751-1160-1-ND†	.83	.66	.57	TLMB3104-GS08		
Blue	428			10	3.9	120	5 - 12.5	751-1160-2-ND‡		436.31/1,500		TLMB3104-GS08		
Blue	428			10	3.9	120	5 - 20	751-1161-1-ND†	.92	.73	.63	TLMB3106-GS08		
Blue	428			10	3.9	120	5 - 20	751-1161-2-ND‡		483.03/1,500		TLMB3106-GS08		
Red	650			10	1.8	120	20	751-1162-1-ND†	.35	.27	.18	TLMG3100-GS08		
Red	650			10	1.8	120	20	751-1162-2-ND‡		134.47/1,500		TLMG3100-GS08		
Yellow	590			10	2.0	120	50	751-1163-1-ND†	.37	.26	.18	TLMG3100-GS08		
Yellow	590			10	2.0	120	50	751-1163-2-ND‡		116.09/1,500		TLMG3100-GS08		
Soft Orange	610			10	2.0	120	50	751-1164-1-ND†	.41	.29	.19	TLMF3100-GS08		
Soft Orange	610			10	2.0	120	50	751-1164-2-ND‡		127.41/1,500		TLMF3100-GS08		
Green	565			10	2.2	120	9	751-1167-1-ND†	.37	.27	.18	TLMG3100-GS08		
Green	565			10	2.2	120	4 - 12.5	751-1168-1-ND†	.38	.28	.18	TLMG3101-GS08		
Green	565			10	2.2	120	4 - 12.5	751-1168-2-ND‡		122.40/1,500		TLMG3101-GS08		
Green	565			10	2.2	120	10 - 20	751-1169-1-ND†	.38	.28	.18	TLMG3102-GS08		
Green	565			10	2.2	120	10 - 20	751-1169-2-ND‡		122.40/1,500		TLMG3102-GS08		
Red	635			10	2	120	6	751-1170-1-ND†	.37	.27	.18	TLMH3100-GS08		
Red	635			10	2	120	6	751-1170-2-ND‡		117.61/1,500		TLMH3100-GS08		
Red	635			10	2	120	4 - 12.5	751-1171-1-ND†	.38	.27	.18	TLMH3101-GS08		
Red	635			10	2	120	4 - 12.5	751-1171-2-ND‡		120.66/1,500		TLMH3101-GS08		
Red	635			10	2	120	6.3 - 20	751-1172-1-ND†	.32	.25	.17	TLMH3102-GS08		
Red	635			10	2	120	6.3 - 20	751-1172-2-ND‡		124.28/1,500		TLMH3102-GS08		
Red	643			10	1.9	120	18	751-1173-1-ND†	.36	.26	.17	TLMK3100-GS08		
Red	643			10	1.9	120	18	751-1173-2-ND‡		115.43/1,500		TLMK3100-GS08		
Pure Green	555			10	2.1	120	4	751-1178-1-ND†	.32	.25	.17	TLP3100-GS08		
Pure Green	555			10	2.1	120	4	751-1178-2-ND‡		124.47/1,500		TLP3100-GS08		
Pure Green	555			10	2.1	120	1.6 - 5	751-1179-1-ND†	.33	.26	.18	TLP3101-GS08		
Pure Green	555			10	2.1	120	1.6 - 5	751-1179-2-ND‡		129.96/1,500		TLP3101-GS08		
Pure Green	555			10	2.1	120	2.5 - 8	751-1180-1-ND†	.32	.25	.17	TLP3102-GS08		
Pure Green	555			10	2.1	120	2.5 - 8	751-1180-2-ND‡		124.08/1,500		TLP3102-GS08		
Pure Green	555			10	2.1	120	2.5 - 5	751-1181-1-ND†	.35	.27	.18	TLP3107-GS08		
Pure Green	555			10	2.1	120	2.5 - 5	751-1181-2-ND‡		134.27/1,500		TLP3107-GS08		
Red	640			10	2.0	120	7.5	751-1184-1-ND†	.40	.28	.19	TLMS3100-GS08		
Red	640			10	2.0	120	7.5	751-1184-2-ND‡		125.24/1,500		TLMS3100-GS08		
Yellow	585			10	2.1	120	6	751-1188-1-ND†	.33	.24	.16	TLMY3100-GS08		
Yellow	585			10	2.1	120	6	751-1188-2-ND‡		106.50/1,500		TLMY3100-GS08		
Yellow	585			10	2.1	120	6.3 - 20	751-1189-1-ND†	.34	.25	.16	TLMY3102-GS08		
Yellow	585			10	2.1	120	6.3 - 20	751-1189-2-ND‡		107.81/1,500		TLMY3102-GS08		
Blue	464			20	3	120	100	751-1239-1-ND†	.64	.50	.43	VLMB3140-GS08		
Blue	464			20	3	120	100	751-1239-2-ND‡		329.15/1,500		VLMB3140-GS08		
White	—			10	3.3	120	112 - 355	751-1246-1-ND†	.72	.56	.48	VLMW41R1T1-5K8L-08		
White	—			10	3.3	120	112 - 355	751-1246-2-ND‡		371.35/1,500		VLMW41R1T1-5K8L-08		
PLCC4	White			—	30	3.7	120	560	751-1242-1-ND†	.76	.59	.51	VLMW3200-GS08	
	White			—	30	3.7	120	560	751-1242-2-ND‡		388.23/1,500		VLMW3200-GS08	
	White			—	30	3.7	120	710 - 900	751-1244-1-ND†	.78	.61	.53	VLMW3201-GS08	
	White			—	30	3.7	120	710 - 900	751-1244-2-ND‡		405.11/1,500		VLMW3201-GS08	
6	TELUX™ 4-pin			Red	624	70	2.2	60	0.7	751-1190-5-ND	.47	.35	.28	TLWR7600
				Red	624	70	2.2	90	0.7	751-1191-5-ND	.47	.35	.28	TLWR7900
				Red	624	70	2.2	60	0.8	751-1192-5-ND	.56	.42	.33	TLWR8600
				Red	624	70	2.2	90	0.7	751-1193-5-ND	.56	.42	.33	TLWR8900
				Red	624	70	2.2	60	0.8	751-1194-5-ND	.72	.56	.44	TLWR9600
		Red	624	70	2.2	90	0.7	751-1195-5-ND	.61	.48	.37	TLWR9900		
		Yellow	594	70	2.1	60	0.7	751-1196-5-ND	.48	.36	.28	TLWY7600		
		Yellow	594	70	2.1	90	0.7	751-1197-5-ND	.48	.36	.28	TLWY7900		
		Yellow	594	70	2.1	60	0.8	751-1198-5-ND	.56	.42	.33	TLWY8600		
		Yellow	594	70	2.1	90	0.7	751-1199-5-ND	.56	.42	.33	TLWY8900		
		True Green	518	50	3.9	60	0.7	751-1248-5-ND	.87	.70	.59	VLWVG9600		
		True Green	518	50	3.9	90	0.7	751-1249-5-ND	.87	.70	.59	VLWVG9900		
		White	—	50	4.3	60	0.8	751-1250-5-ND	.78	.63	.52	VLWW9600		
		White	—	50	4.3	60	0.8	751-1251-5-ND	.78	.63	.52	VLWW9601		
White	—	50	4.3	90	0.8	751-1252-5-ND	.78	.63	.52	VLWW9900				

† Cut Tape ‡ Tape and Reel

## Remote Control Receivers



Fig.	Supply Voltage (V)	Sensitivity E <sub>e</sub> (mw/m <sup>2</sup> )	Carrier Frequency (kHz)	Transmit Distance Typ. (m)	Digi-Key Part No.	1	Price Each 10	100	Vishay Part No.
1	2.7 - 5.5	0.2 - 0.35	38	35	751-1223-5-ND	1.31	1.14	.88	TSOP32238
2	2.7 - 5.5	0.4 - 0.55	38	30	751-1227-ND	.71	.57	.48	TSOP38238

Fig. 1

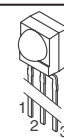
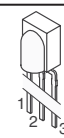


Fig. 2



Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

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