





Selection Guide

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[RGB high-luminosity colour chip LEDs for general illumination]

SMD leadless, transparent or milky resin, thinner, compact or side-view type:
whatever your needs, Sharp has the right high-luminosity colour chip LEDs to suit your application.
The specifications of these LEDs are listed in the tables below.





[RGB standard package]

Package type size	Type number	Outline dimensions (LxWxD) in mm	Colour range/wavelength [nm]	Luminous intensity I _v (typ.) [mcd]	V _F [V]	I _F [mA]	I _{Reverse} [μA]	V _{Reverse} [V]	T _{opr} [°C]
 3228 (PLCC 6)	GM5WA94315A	3.2x2.8x1.9	626.5 red 	680	2.2	20	50	5	-30 to +85
			522.5 green 	1,500	3.3	20	50	5	-30 to +85
			462.5 blue 	450	3.2	20	50	5	-30 to +85


[RGB TAF package]

Package type size	Type number	Outline dimensions (LxWxD) in mm	Colour range/wavelength [nm]	Luminous intensity I _v (typ.) [mcd]	V _F [V]	I _F [mA]	I _{Reverse} [μA]	V _{Reverse} [V]	T _{opr} [°C]
 Slim TAF	GM4WA25300A	5.0x2.5x2.5	624 red 	2,200 mixed colours	2.2	21	50	4	-30 to +85
			523 green 		3.3	25	50	4	-30 to +85
			463 blue 		3.2	7	50	4	-30 to +85


[RGB ultra-small package]

Package type size	Type number	Outline dimensions (LxWxD) in mm	Colour range/wavelength [nm]	Luminous intensity I _v (typ.) [mcd]	V _F [V]	I _F [mA]	T _{opr} [°C]
 1616	GM1WA55311A	1.6x1.6x0.55	616 red 	20	2.0	5	-20 to +80
			527 green 	70	3.0	5	-20 to +80
			470 blue 	23	2.9	5	-20 to +80


[Chip LED pastel colours]

Package type size	Type number	Outline dimensions (LxWxD) in mm	Colour range/wavelength [x, y]	Luminous intensity I _v (typ.) [mcd]	V _F [V]	I _F [mA]	T _{opr} [°C]
3228 (PLCC 4) 	GM5CA96320A	3.2x2.8x1.9	(0.17, 0.20) light blue	1,000	3.2	20	-30 to +100
	GM5CY96320A	3.2x2.8x1.9	(0.42, 0.48) lemon yellow	1,500	3.2	20	-30 to +100
	GM5CV96320A	3.2x2.8x1.9	(0.35, 0.15) purple	500	3.2	20	-30 to +100

[Monochrome standard package]

Package type size	Type number	Outline dimensions (LxWxD) in mm	Colour range/wavelength [nm]	Luminous intensity I _v (typ.) [mcd]	V _F [V]	I _F [mA]	T _{opr} [°C]
3228 (PLCC 2) 	GM5ZV96270A	3.2x2.8x1.9	588 amber	600	2.2	20	-40 to +100
	GM5ZR96270A	3.2x2.8x1.9	624 red	600	2.2	20	-40 to +100
	GM5BC96270A	3.2x2.8x1.9	470 blue	500	3.2	20	-40 to +100
	GM5GC96270A	3.2x2.8x1.9	527 green	1,300	3.3	20	-40 to +100

[Monochrome ultra-small package]

Package type size	Type number	Outline dimensions (LxWxD) in mm	Colour range/wavelength [nm]	Luminous intensity I _v (typ.) [mcd]	V _F [V]	I _F [mA]	T _{opr} [°C]
1608 	GM1BC35372AC	1.6x0.8x0.35	472 blue	35	2.9	5	-20 to +80

Subject to alterations and modifications.
For complete product information please refer to the product specifications.

[LED]

SHARP

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