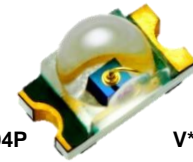




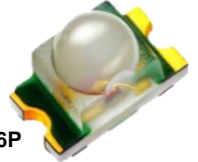
Stanley Electric's 1608-size LEDs Narrow distribution angle

Compact 1608-size standard package

Enables greater design freedom
Automotive qualified

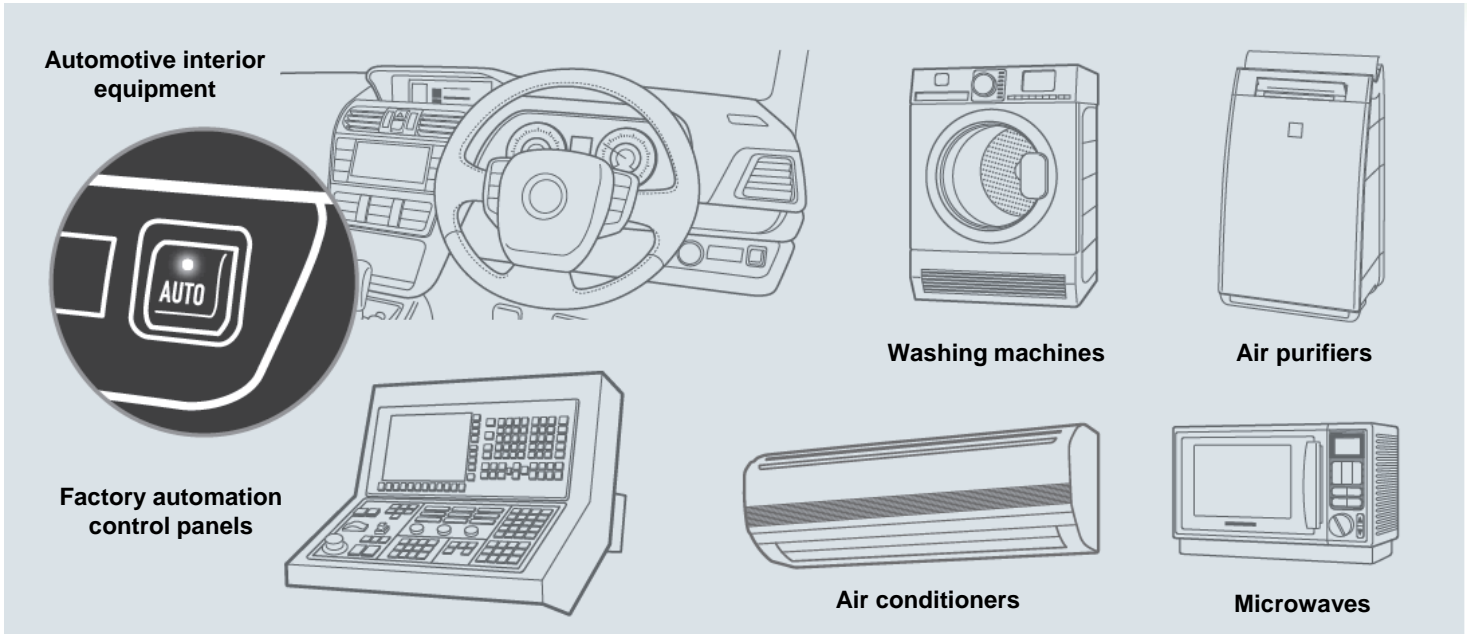


V***1104P



V***1116P

◆ Applications



◆ Features

- Lineup of 1608-size surface mount LED packages using the same solder pad
- Color, brightness, light distribution variations available (Wide distribution angle "1111C type" also available)
- Can be used for switches backlighting and as a light source for indicators
- Can be used even in high temperature environments

◆ Lineup

Light distribution angle	Product series	Light distribution	Color lineup							
			Blue	Green	Pure green	Yellow green	Yellow	Orange	Vermillion	Red
Narrow	1104P	Standard	● VCDB	● VCDG	● VFHL	● VFHD	● VFHY	● VFHA	● VFHV	● VFHR
		Bright					● VFJY	● VFJA	● VFJV	● VFJR
Super narrow	1116P	Standard			● VFHL	● VFHD	● VFHY	● VFHA		● VFHR
		Bright					● VFJY	● VFJA	● VFJV	● VFJR

The above icons are for reference and may differ from the actual colors.

Specifications

Directivity angle	Type	Emitted color	Part name	Dominant wavelength	Luminous intensity	Forward voltage	Half-intensity angle	Sorting current	Operating temperature	Storage temperature
				λ_d Typ.	I_V Typ.	V_F Typ.	2 $\theta_{1/2}$ (θ_x/θ_y)	I_F	T_{opr}	T_{stg}
Units				nm	mcd	V	deg.	mA	°C	°C
Narrow	Normal	Blue	VCDB1104P-4B83B	470	56	3.0	45 / 50	5	-40 to +100	-40 to +105
		Green	VCDG1104P-5C63C	530	470	3.0	45 / 50	5	-40 to +100	-40 to +105
		Pure green	VFHL1104P-4B63C	562	40	1.9	80 / 65	20	-40 to +100	-40 to +105
		Yellow green	VFHD1104P-4BY2B	573	100	1.9	80 / 65	20	-40 to +100	-40 to +105
		Yellow	VFHY1104P-4C42D	589	250	1.9	80 / 65	20	-40 to +100	-40 to +105
		Orange	VFHA1104P-4C42C	606	250	1.9	80 / 65	20	-40 to +100	-40 to +105
		Vermillion	VFHV1104P-4C62B	616	420	1.9	80 / 65	20	-40 to +100	-40 to +105
		Red	VFHR1104P-4C42A	626	250	1.9	80 / 65	20	-40 to +100	-40 to +105
	Bright	Yellow	VJDY1104P-4CY3C	589	1,000	2.1	80 / 65	20	-40 to +100	-40 to +105
		Orange	VJDA1104P-4D12C	606	1,500	2.1	80 / 65	20	-40 to +100	-40 to +105
		Vermillion	VJDV1104P-4D13A	615	1,500	2.1	80 / 65	20	-40 to +100	-40 to +105
		Red	VJDR1104P-4CZ2A	626	1,200	2.1	80 / 65	20	-40 to +100	-40 to +105
		Red	VJDR1104P-4C81C	635	560	2.1	80 / 65	20	-40 to +100	-40 to +105
		Super narrow	Normal	Pure green	VFHL1116P-4BX3C	562	82	1.9	35 / 35	20
Yellow green	VFHD1116P-4C32B			573	220	1.9	35 / 35	20	-40 to +100	-40 to +105
Yellow	VFHY1116P-4C82D			589	560	1.9	35 / 35	20	-40 to +100	-40 to +105
Orange	VFHA1116P-4C82C			606	560	1.9	35 / 35	20	-40 to +100	-40 to +105
Red	VFHR1116P-4C82A			626	560	1.9	35 / 35	20	-40 to +100	-40 to +105
Bright	Yellow		VJDY1116P-4D33C	589	2,200	2.1	35 / 35	20	-40 to +100	-40 to +105
	Orange		VJDA1116P-4D52C	606	3,300	2.1	35 / 35	20	-40 to +100	-40 to +105
	Vermillion		VJDV1116P-4D43A	615	2,700	2.1	35 / 35	20	-40 to +100	-40 to +105
	Red		VJDR1116P-4D32A	626	2,200	2.1	35 / 35	20	-40 to +100	-40 to +105
	Red		VJDR1116P-4CZ1C	635	1,500	2.1	35 / 35	20	-40 to +100	-40 to +105

Conditions : $T_a=25^\circ\text{C}$

The above icons are for reference and may differ from the actual colors.

Outline dimensions (Unit : mm)

VCD*1104P VFH*1104P VJD*1104P		<p>はんだ付け推奨パターン Recommended soldering pad</p>
VFH*1116P VJD*1116P		