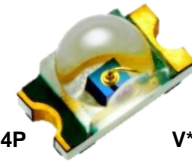




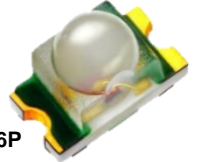
## Stanley Electric's 1608-size LEDs Narrow distribution angle

# Compact 1608-size standard package

Enables greater design freedom  
Automotive qualified

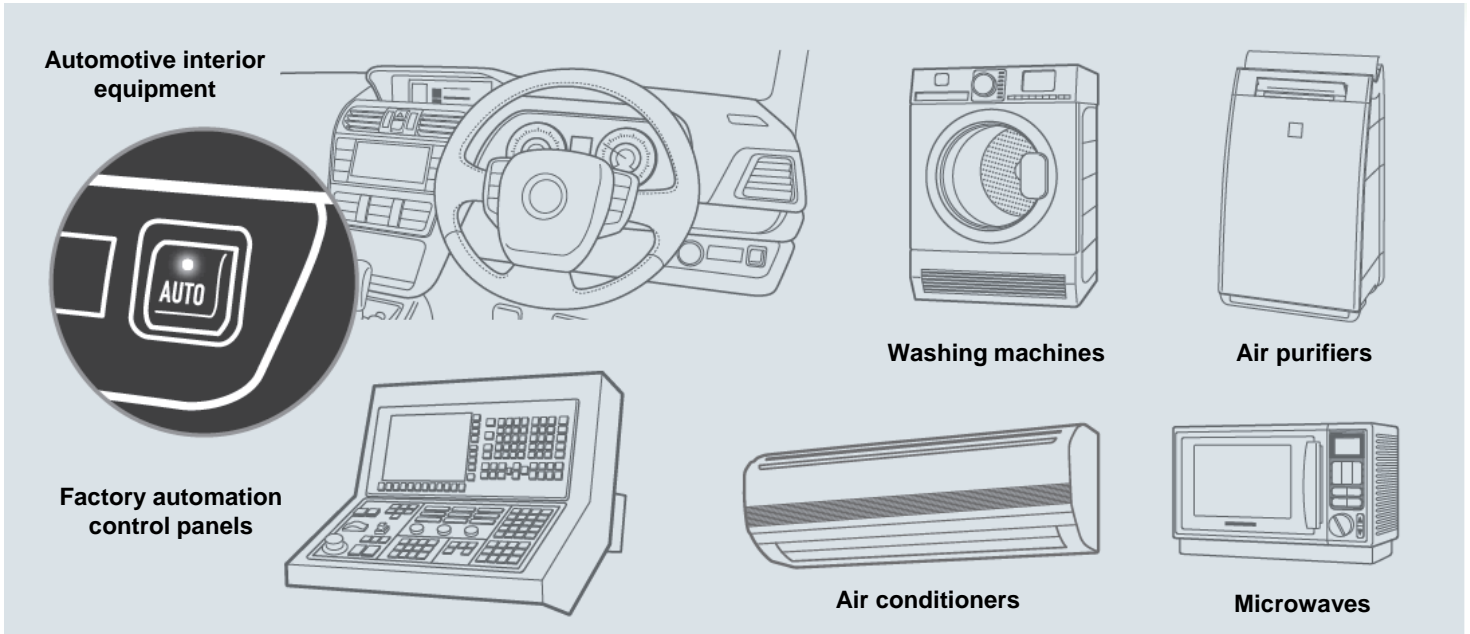


V\*\*\*1104P



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 $\lambda_d$ Typ.	Luminous intensity $I_v$ Typ.	Forward voltage $V_F$ Typ.	Half-intensity angle $2\theta_{1/2}$ ( $\theta_x/\theta_y$ )	Sorting current $I_F$	Operating temperature $T_{opr}$	Storage temperature $T_{stg}$
				nm	mcd	V	deg.	mA	$^{\circ}\text{C}$	$^{\circ}\text{C}$
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	
VFH*1116P VJD*1116P	