

Part Number	Chip		Lens Color	V _F I _F =20mA			Reverse Current TYP.	Peak Forward Current MAX.	Power Dissipation TYP.	I _v (mcd) I _F =20mA			View Angle
	Emitted Color	λ P (nm)		MIX	TYP	MAX				MIX	TYP	MAX	

Φ 2 LED LAMP

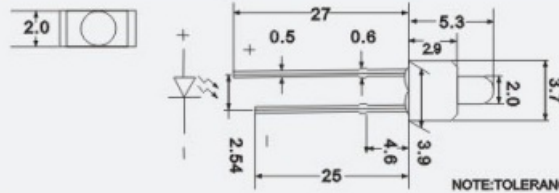


Fig:N

NOTE:TOLERANCE±0.5mm Unit:mm

2L/M/NR4PD	● RED	680	D.	1.9	2.1	2.4	10uA	200mA	100mW	4.0	8.0	12.0	90
2L/M/NR4HD	● RED	640	D.	1.8	2.1	2.4	10uA	200mA	100mW	40.0	50.0	60.0	90
2L/M/NYG4HD	● YELLOW GREEN	570	D.	2.0	2.3	2.5	10uA	200mA	100mW	40.0	50.0	60	90
2L/M/NY4HD	● YELLOW	590	D.	1.9	2.2	2.4	10uA	200mA	100mW	50.0	60.0	65	90
2L/M/NO4HD	● ORANGE	600	D.	1.9	2.2	2.4	10uA	200mA	100mW	50.0	60.0	---	90
2L/M/NB4HD	● BLUE	470	D.	2.8	3.0	3.6	10uA	200mA	100mW	50.0	60.0	---	90

1x3 LED LAMP

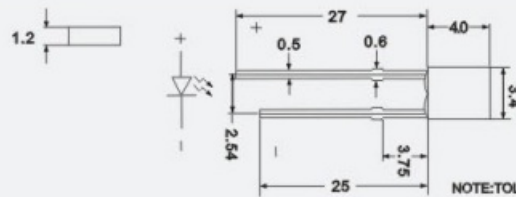


Fig:O-1

NOTE:TOLERANCE±0.5mm Unit:mm

1O3R4PD	■ RED	680	D.	1.9	2.1	2.4	10uA	200mA	100mW	4.0	8.0	12.0	130
1O3R4HD	■ RED	640	D.	1.8	2.1	2.4	10uA	200mA	100mW	15.0	20.0	---	130
1O3YG4HD	■ YELLOW GREEN	570	D.	2.0	2.3	2.5	10uA	200mA	100mW	12.0	16.0	20.0	130
1O3Y4HD	■ YELLOW	590	D.	1.9	2.2	2.4	10uA	200mA	100mW	15.0	20.0	---	130
1O3W4HD	■ WHITE	---	D.	2.8	3.2	3.6	10uA	200mA	100mW	15.0	20.0	30.0	130
1O3B4HD	■ BLUE	470	D.	2.8	3.0	3.6	10uA	200mA	100mW	20.0	25.0	---	130

1x5 LED LAMP

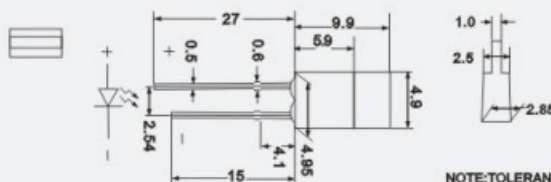


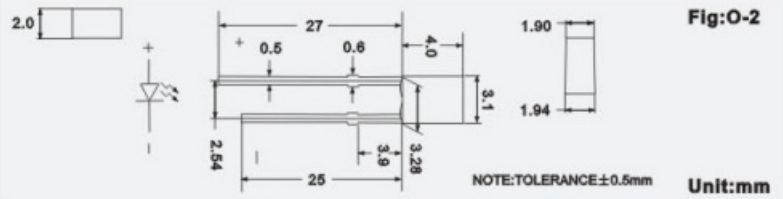
Fig:P-1

NOTE:TOLERANCE±0.5mm Unit:mm

1P5R4PD	■ RED	680	D.	2.0	2.2	2.5	10uA	200mA	100mW	4	8	12	130
1P5Y4HD	■ YELLOW	590	D.	2.0	2.1	2.5	10uA	200mA	100mW	12	18	25	130
1P5YG4HD	■ YELLOW GREEN	570	D.	2.0	2.2	2.5	10uA	200mA	100mW	15	20	30	130
1P5R4HD	■ RED	640	D.	1.9	2.0	2.1	10uA	200mA	100mW	15	20	---	130
1P5O4HD	■ ORANGE	600	D.	2.0	2.2	2.5	10uA	200mA	100mW	16	20	---	130
1P5W4HD	■ WHITE	---	D.	2.8	3.2	3.6	10uA	200mA	100mW	15	25	---	130
1P5B4HD	■ BLUE	470	D.	2.8	3.2	3.6	10uA	200mA	100mW	15	25	---	130

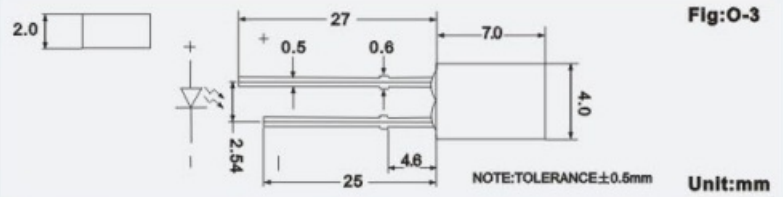
Part Number	Chip		Lens Color	V _F I _F =20mA			Reverse Current TYP.	Peak Forward Current MAX.	Power Dissipation TYP.	I _v (mcd) I _F =20mA			View Angle
	Emitted Color	λ P (nm)		MIX	TYP	MAX				MIX	TYP	MAX	

Φ 2X3 LED LAMP



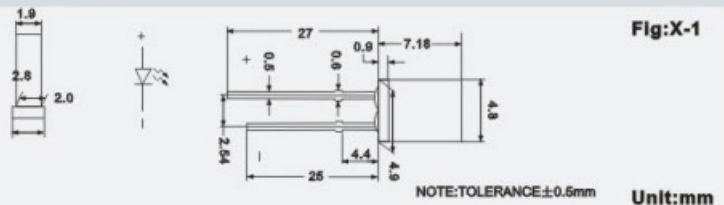
2O3R4PD	RED	680	D.	2.0	2.2	2.5	10uA	200mA	100mW	4	8	12	130
2O3Y4HD	YELLOW	590	D.	2.0	2.1	2.5	10uA	200mA	100mW	12	18	25	130
2O3YG4HD	YELLOW GREEN	570	D.	2.0	2.2	2.5	10uA	200mA	100mW	15	20	30	130
2O3R4HD	RED	640	D.	1.9	2.0	2.1	10uA	200mA	100mW	15	20	---	130
2O3O4HD	ORANGE	600	D.	2.0	2.2	2.5	10uA	200mA	100mW	16	20	---	130
2O3W4HD	WHITE	---	D.	2.8	3.2	3.6	10uA	200mA	100mW	15	25	---	130
2O3B4HD	BLUE	470	D.	2.8	3.2	3.6	10uA	200mA	100mW	15	25	---	130

Φ 2X4 LED LAMP



2O4R4PD	RED	680	D.	2.0	2.2	2.5	10uA	200mA	100mW	4	8	12	130
2O4Y4HD	YELLOW	590	D.	2.0	2.1	2.5	10uA	200mA	100mW	12	18	25	130
2O4YG4HD	YELLOW GREEN	570	D.	2.0	2.2	2.5	10uA	200mA	100mW	15	20	30	130
2O4R4HD	RED	640	D.	1.9	2.0	2.1	10uA	200mA	100mW	15	20	---	130
2O4O4HD	ORANGE	600	D.	2.0	2.2	2.5	10uA	200mA	100mW	16	20	---	130
2O4W4HD	WHITE	---	D.	2.8	3.2	3.6	10uA	200mA	100mW	15	25	---	130
2O4B4HD	BLUE	470	D.	2.8	3.2	3.6	10uA	200mA	100mW	15	25	---	130

2x5 LED LAMP



2X5R4PD	RED	680	D.	2.0	2.2	2.5	10uA	200mA	100mW	4	8	12	130
2X5Y4HD	YELLOW	590	D.	2.0	2.1	2.5	10uA	200mA	100mW	12	18	25	130
2X5YG4HD	YELLOW GREEN	570	D.	2.0	2.2	2.5	10uA	200mA	100mW	15	20	30	130
2X5R4HD	RED	640	D.	1.9	2.0	2.3	10uA	200mA	100mW	15	20	---	130
2X5O4HD	ORANGE	600	D.	2.0	2.2	2.5	10uA	200mA	100mW	16	20	---	130
2X5W4HD	WHITE	---	D.	2.8	3.2	3.6	10uA	200mA	100mW	15	25	---	130
2X5B4HD	BLUE	470	D.	2.8	3.2	3.6	10uA	200mA	100mW	15	25	---	130