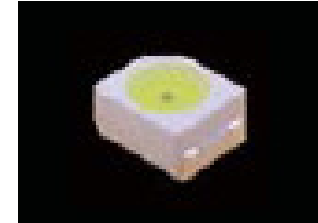


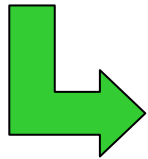
SML-Z13series WHITE LED's

New

- Package size : 3.2 x 2.8 mm t=1.9mm (same size for PLCC2)
- Operating Temperature -40 to +100 degree
- Reverse Voltage 5V
- Max PD=115mW



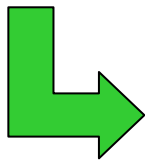
**High CR Type
(Yellow Phosphor)**



ELECTRO – CHARACTERISTICS (Ta=25°C)

DISCRIPTION	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNITS
Luminous Intensity	IV	IF=20mA* ¹	560	1100	2200	mcd
Forward Voltage	VF	IF=20mA* ¹	—	3.2	3.9	V
Reverse Current	IR	VR=5V	—	—	100	μ A
Chromaticity Coordinates * ²	X	IF=20mA* ¹	—	0.30	—	—
	Y	IF=20mA* ¹	—	0.29	—	—

**General CR Type
(R/G Phosphor)**



ELECTRO – OPTICAL CHARACTERISTICS (Ta=25°C)

DISCRIPTION	SYMBOL	CONDITION	MIN.	TYP.	MAX.	UNITS
Luminous Intensity	IV	IF=20mA	360	880	1400	mcd
Forward Voltage	VF	IF=20mA	—	3.2	3.9	V
Reverse Current	IR	VR=5V	—	—	100	μ A
Color Temperature*	CCT	IF=20mA	2300	2900	3200	K
			3200	3500	3800	
			3800	4200	4600	
			4600	5000	5800	