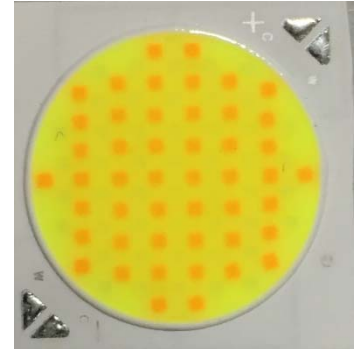


MF-25DA-2757-SS-C4C4-K7 COB Datasheet

Applications

- High bay
- Down lighting



Naming Conventions

MF-25DA - 2757 - SS - C4C4 - K7
(1) (2) (3) (4)

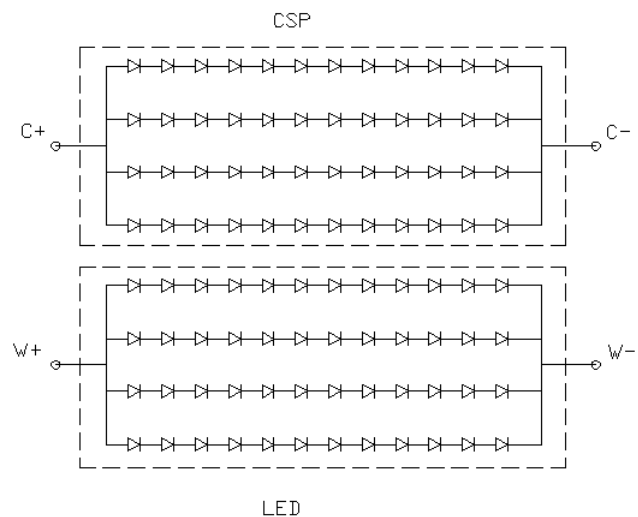
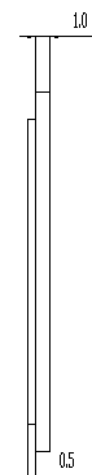
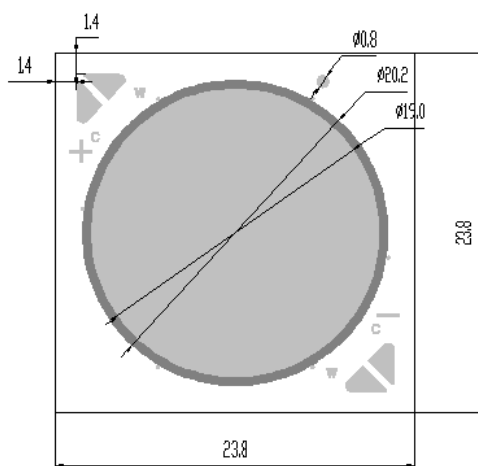
(1) COB Series

(2) CCT Range : 2700K-5700K

(3) CRI Range: > 90

(4) Chip Array

Package Dimensions



CSP 12 series × 4 parallel = 48 pcs of CSPs
LED 12 series × 4 parallel = 48 pcs of LEDs

1. All dimensions in millimeters.
2. Tolerance is +/-0.3mm unless otherwise noted.
3. The information in this document is subject to change without notice.

Absolute Maximum Ratings

Item	Symbol	Absolute Maximum Rating	Unit
Forward current(C-C)	If _{C-C}	1400	mA
Forward current(W-W)	If _{W-W}	1400	mA
Peak Power	P	61.6	W
Reverse Voltage	Vr	-60	V
Operating Temperature	Topr	-30~+100	°C
Storage Temperature	Tstg	-40~100	°C
Hand soldering condition	Tsld	3.5sec@350°C	sec
Case Temperature	Tc	100	°C
LED Junction Temperature	Tj	125	°C
Temperature of central silicon Surface	Ts	125@IRDA Test	°C

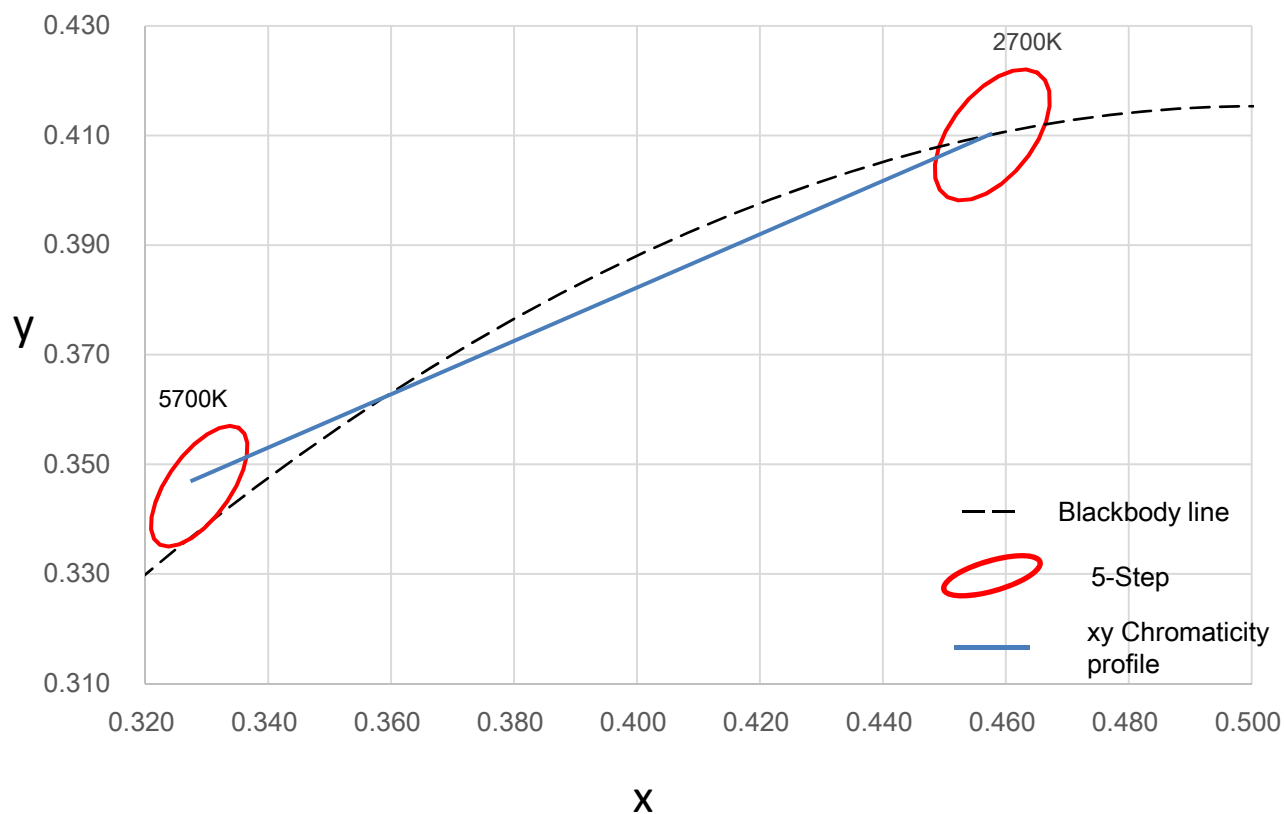
Characteristics (Tc=25°C)

Color Temp	Forward Current(mA)		Voltage(V)		Luminous Flux(lm)	R _{j-c} (°C/W)
	C.If(mA)	W.If(mA)	C.Vf(V)	W.Vf(V)	CRI 90	
2700K	200	1200	30-38	30-38	4060	TBD
3000K	360	1040	30-38	30-38	4310	TBD
3500K	600	800	30-38	30-38	4710	TBD
4000K	840	560	30-38	30-38	4980	TBD
5000K	1160	240	30-38	30-38	5090	TBD
5700K	1340	60	30-38	30-38	5070	TBD

Notes:

1. Luminous flux is measured with an accuracy of +/- 5 %.
2. CRI is measured with an accuracy of +/- 1
3. Some color and CRI bins may have limited availability, please contact us before ordering.
4. All measurements were made under the standardized environment of Shineon.

Chromaticity Characteristics (Tc=25°C)

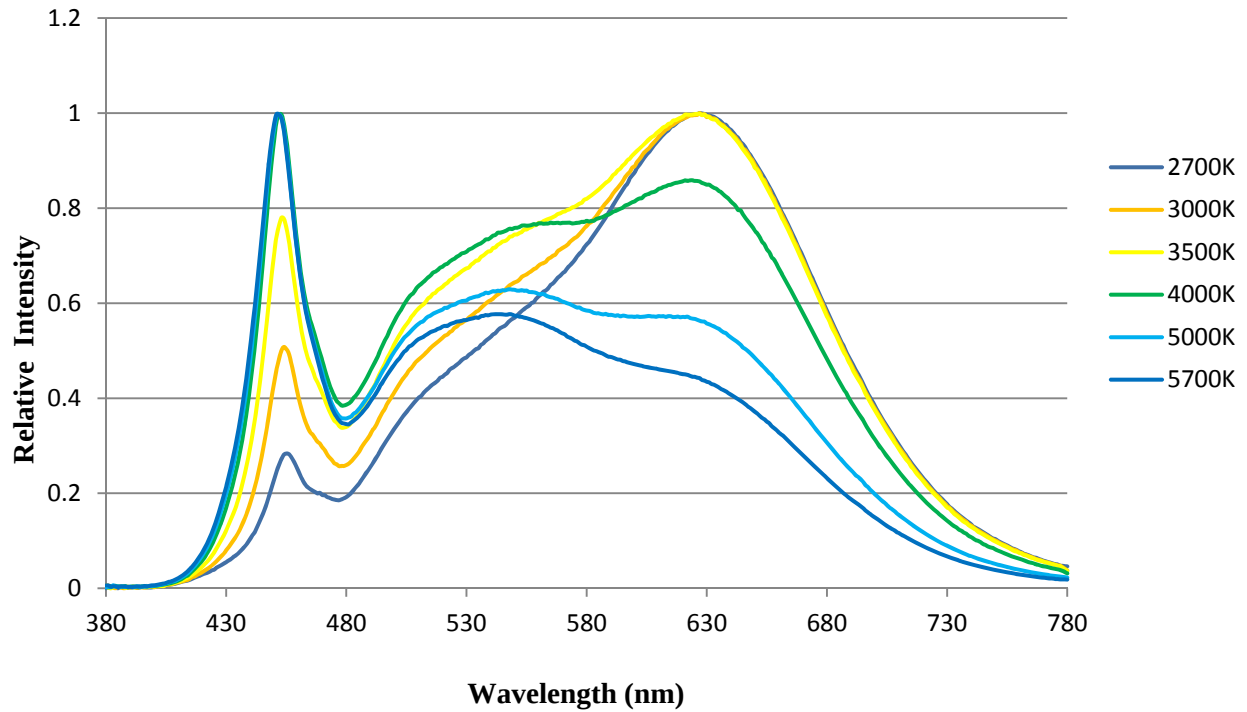


Bin Code	Nominal CCT	Center Point		Oval parameter		
		x	y	a	b	Theta°
275	2700K(5-step)	0.4578	0.4101	0.0135	0.007	57.28
575	5700K(5-step)	0.3288	0.346	0.01243	0.00533	59.09

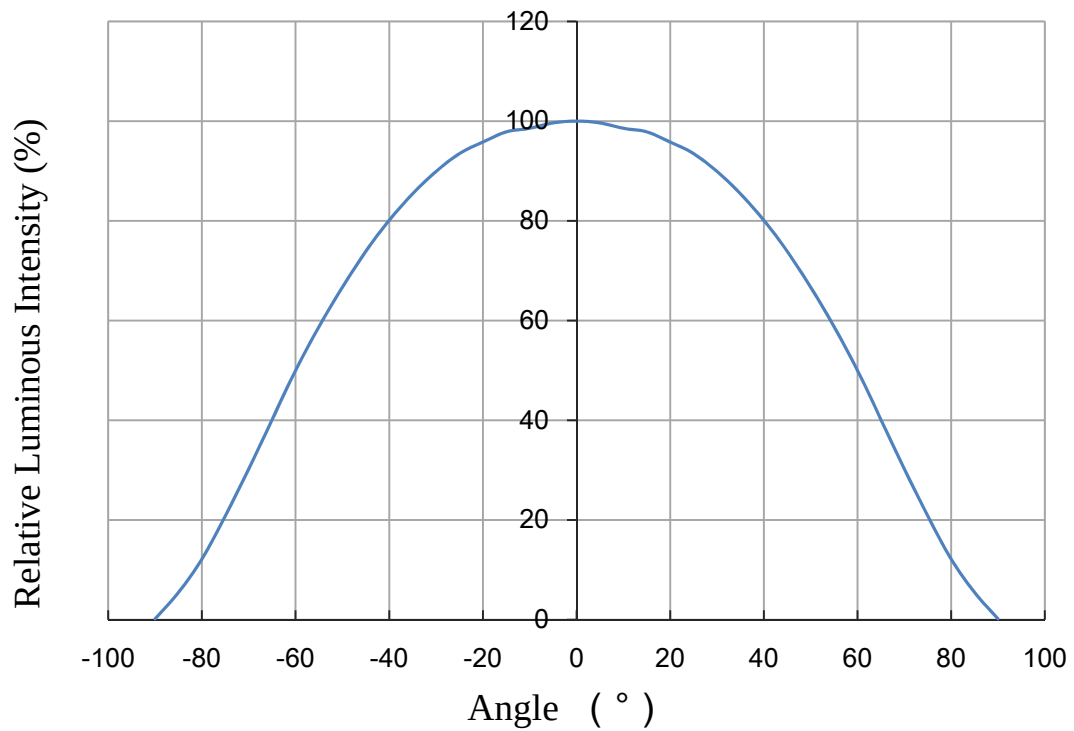
Notes:

1. Chromaticity coordinate bins are measured with an accuracy of +/- 0.005.

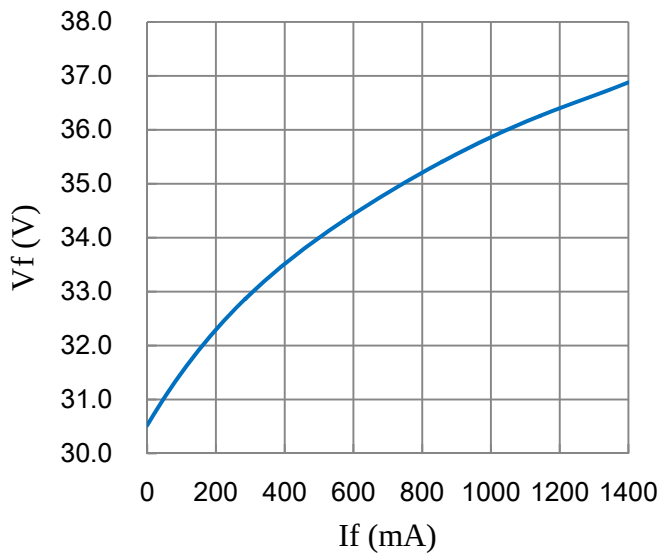
Typical Relative Spectral Power Distribution (Tc=25°C)



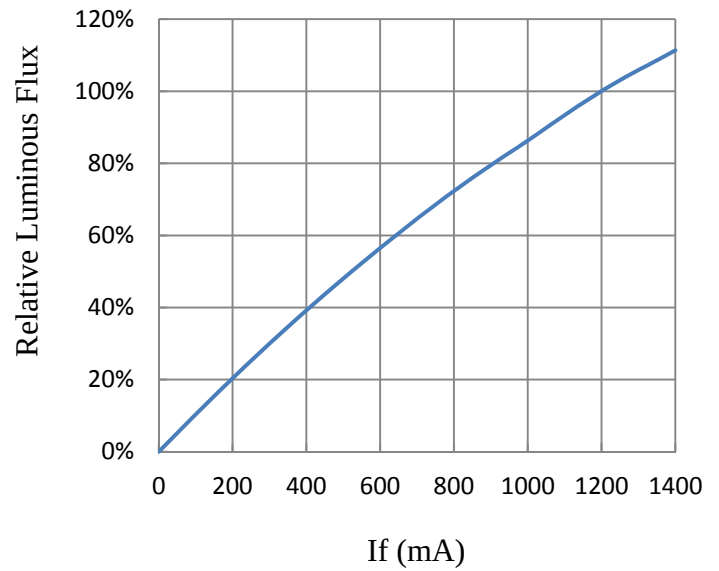
Typical Spatial Distribution (Tc=25°C)



Forward Current vs. Forward Voltage
($T_c = 25^\circ\text{C}$)



Forward Current vs. Relative Luminous Flux
($T_c = 25^\circ\text{C}$)



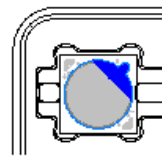
PACKING

MF-25DA

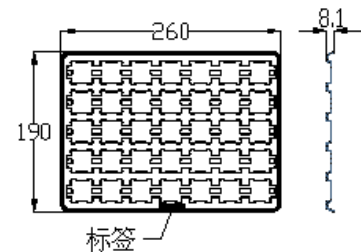


贴保护膜

MF-25DA

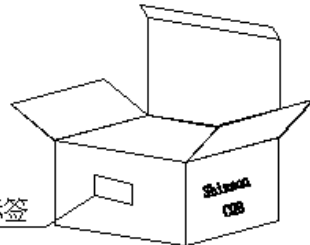


35pcs per Tray



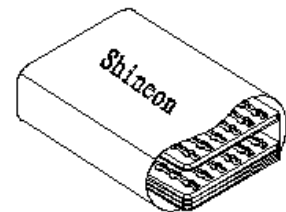
Note:

1. 依照“贴膜示意图”的要求，贴保护膜；
2. 每 35pcs COB 放一个托盘；
3. 标签贴于托盘短边一侧的居中位置；
4. 每 6 个托盘（最上面一个托盘不放光源）放一个袋子，抽真空；
5. 7 个袋子放一个包装箱，箱子其余空间使用填充物填充。
6. 最小包装数量为1包 (175pcs)；若有零数，生产可根据需要入库，出货前须逐线合并。
7. 该包装图用于25AA。



标签

7 个袋子放一个包装箱，
用填充物填满箱子。



6 个托盘（最上面一个托盘
不放光源）放一个袋子，抽真空。