

NCSW119E Technical Data for Thermal Design

【Thermal Resistance Data】

NCSW119

T _{jmax}	135	
R _{thj-s}	13	/W
V _{Fmax}	3.8	V

Absolute Maximum Rating (T_s=25)

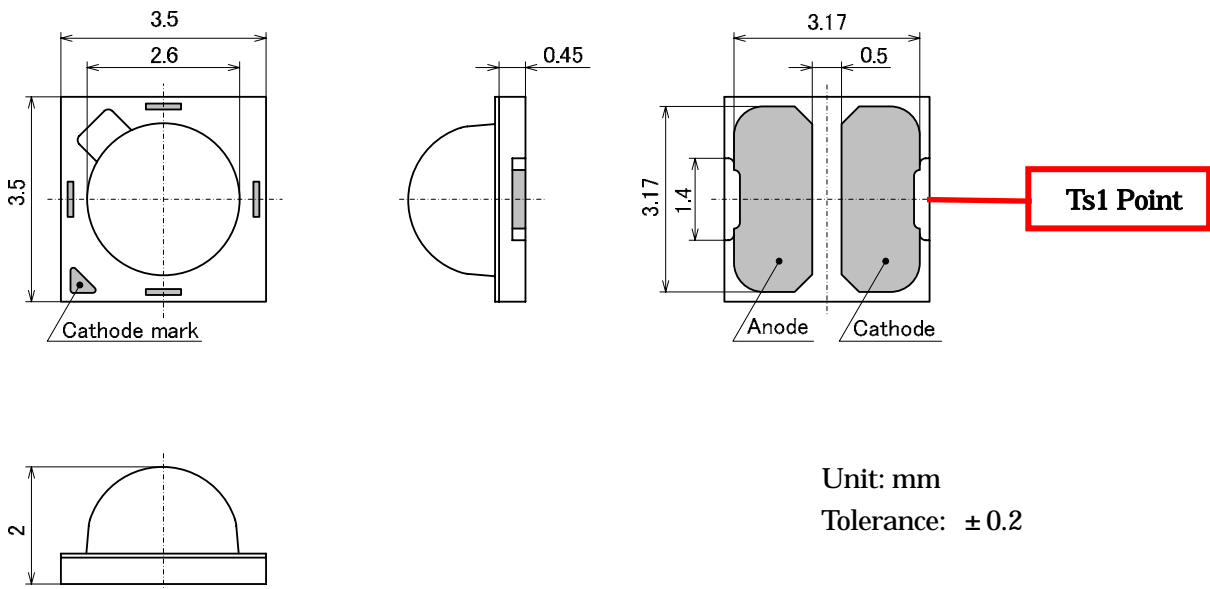
I _{Fmax}	700	mA
I _{EPmax}	1000	mA
T _{opr}	-40 ~ 100	
T _{stg}	-40 ~ 100	

【T_j calculation】

$$T_j = T_s + R_{thj-s} \times W$$

- T_j (PN Junction Temperature :)
- R_{thj-s} (Thermal Resistance of junction to Solder : /W)
- The Thermal Resistance is measured individually not to influence by other LED on the PWB.
- W: I_F × V_F

【Measuring Point】



Unit: mm
Tolerance: ±0.2

NCSW119E Ta vs. Allowable Forward Current

