

LNJ717W80RA

Surface Mounting Chip LED

TSS Tri-Color Type

■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

- Pure Green

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	60	mW
Forward current	I_F	15	mA
Pulse forward current *	I_{FP}	50	mA
Reverse voltage	V_R	5	V
Operating ambient temperature	T_{opr}	-30 to +85	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +100	$^\circ\text{C}$

Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.

- Soft Orange

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	55	mW
Forward current	I_F	20	mA
Pulse forward current *	I_{FP}	60	mA
Reverse voltage	V_R	4	V
Operating ambient temperature	T_{opr}	-30 to +85	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +100	$^\circ\text{C}$

Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.

- Blue

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	60	mW
Forward current	I_F	15	mA
Pulse forward current *	I_{FP}	50	mA
Reverse voltage	V_R	5	V
Operating ambient temperature	T_{opr}	-30 to +85	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +100	$^\circ\text{C}$

Note) *: The condition of I_{FP} is duty 10%, Pulse width 1 msec.

■ Electro-Optical Characteristics $T_a = 25^\circ\text{C}$

- Pure Green

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	I_O		28	34		mcd
Forward current	I_F			5		mA
Forward voltage	V_F	$I_F = 5 \text{ mA}$		3.0	3.7	V
Peak emission wavelength	λ_p	$I_F = 5 \text{ mA}$		525		nm
Spectral half band width	$\Delta\lambda$	$I_F = 5 \text{ mA}$		45		nm
Reverse current	I_R	$V_R = 5 \text{ V}$			10	μA

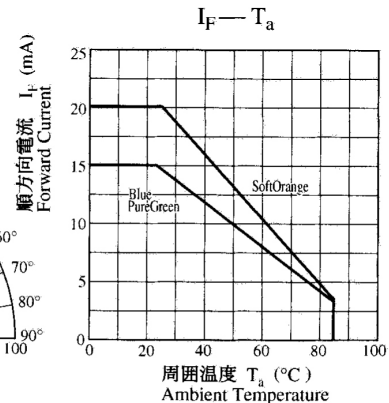
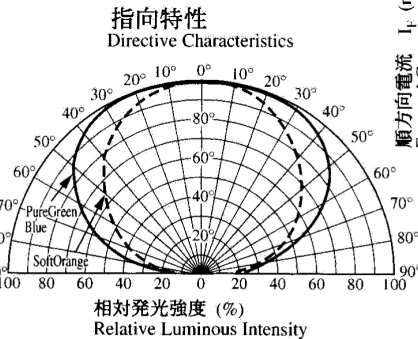
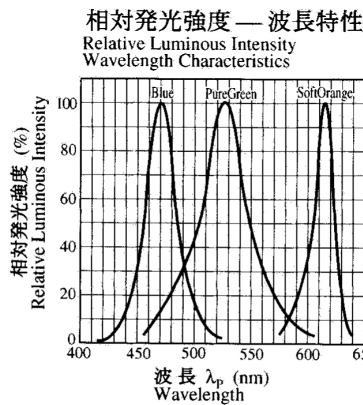
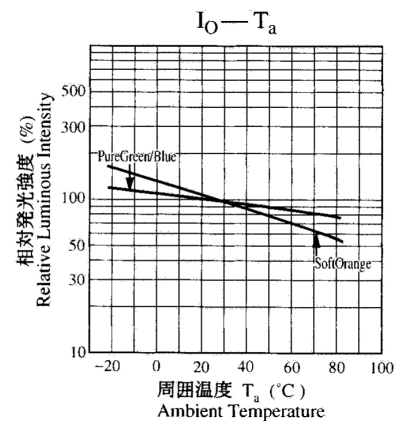
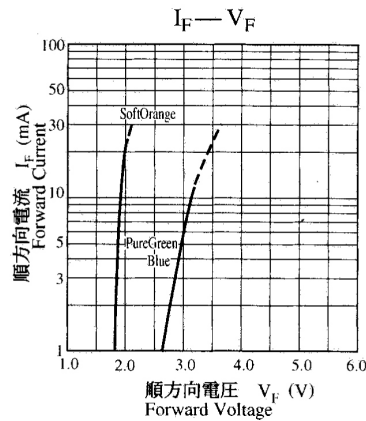
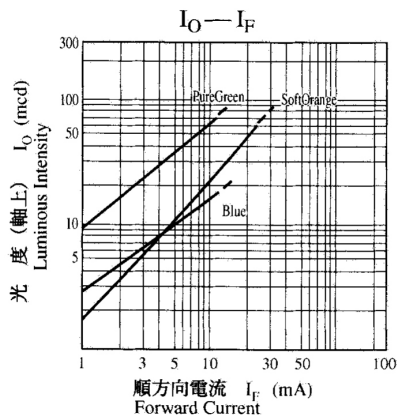
■ Electro-Optical Characteristics (Continued) $T_a = 25^\circ\text{C}$

• Soft Orange

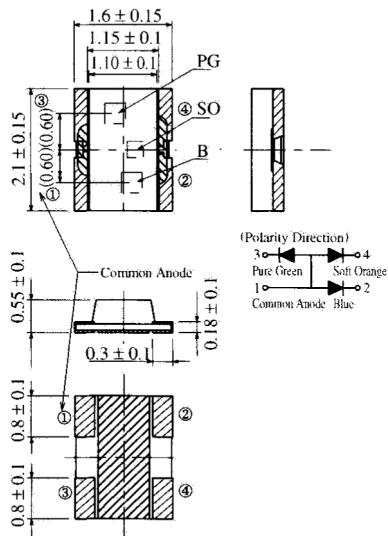
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	I_O		10	23		mcd
Forward current	I_F			10		mA
Forward voltage	V_F	$I_F = 10\text{ mA}$		1.95	2.5	V
Peak emission wavelength	λ_p	$I_F = 10\text{ mA}$		615		nm
Spectral half band width	$\Delta\lambda$	$I_F = 10\text{ mA}$		20		nm
Reverse current	I_R	$V_R = 4\text{ V}$			100	μA

• Blue

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity	I_O		5.0	10		mcd
Forward current	I_F			5		mA
Forward voltage	V_F	$I_F = 5\text{ mA}$		3.0	3.7	V
Peak emission wavelength	λ_p	$I_F = 5\text{ mA}$		470		nm
Spectral half band width	$\Delta\lambda$	$I_F = 5\text{ mA}$		30		nm
Reverse current	I_R	$V_R = 5\text{ V}$			10	μA



■ Package (Unit: mm)



• Pin name

1: Anode

2, 3, 4 : Cathode

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