LNJ717W80RA1

Surface Mounting Chip LED

TSS-3 Type

■ Absolute Maximum Ratings T_a = 25°C

• Pure Green

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	65	mW
Forward current	I_F	15	mA
Pulse forward current *	I_{FP}	50	mA
Reverse direct current	I_{RDC}	100	mA
Operating ambient temperature	T_{opr}	–30 to +85	°C
Storage temperature	T_{stg}	–40 to +100	°C

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

• Soft Orange

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	70	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	°C
Storage temperature	T_{stg}	–40 to +100	°C

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

• Blue

Parameter	Symbol	Rating	Unit
Power dissipation	P_D	65	mW
Forward current	I_F	15	mA
Pulse forward current *	I_{FP}	50	mA
Reverse direct current	I_{RDC}	100	mA
Operating ambient temperature	T_{opr}	–30 to +85	°C
Storage temperature	T_{stg}	–40 to +100	°C

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

■ Lighting Color

• Pure Green
• Soft Orange
• Blue

■ Electro-Optical Characteristics T_a = 25°C

• Pure Green

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity *1	I_O	I_F = 5 mA	50	85	160	mcd
Forward voltage	V_F	I_F = 5 mA		3.1	3.7	V
Peak emission wavelength	λ_P	I_F = 5 mA		525		nm
Dominant emission wavelength *2	λ_d	I_F = 5 mA	520	535	550	nm
Spectral half band width	$\Delta\lambda$	I_F = 5 mA		45		nm

Note) *1: Measurement tolerance: ±20%
*2: Measurement tolerance: ±5 nm

■ Electro-Optical Characteristics (Continued) $T_a = 25°C$

• Soft Orange

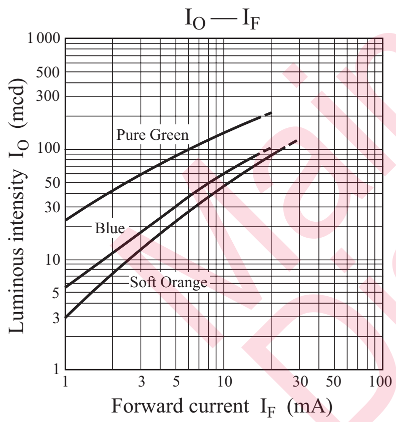
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity *1	I_O	$I_F = 10$ mA	20	45	80	mcd
Reverse current	I_R	$V_R = 4$ V			100	μA
Forward voltage	V_F	$I_F = 10$ mA		1.95	2.5	V
Peak emission wavelength	λ_P	$I_F = 10$ mA		615		nm
Dominant emission wavelength *2	λ_d	$I_F = 10$ mA	595	605	615	nm
Spectral half band width	$\Delta\lambda$	$I_F = 10$ mA		20		nm

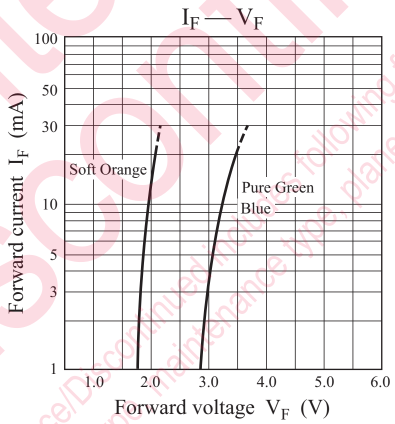
Note) *1: Measurement tolerance: ±20%
*2: Measurement tolerance: ±5 nm

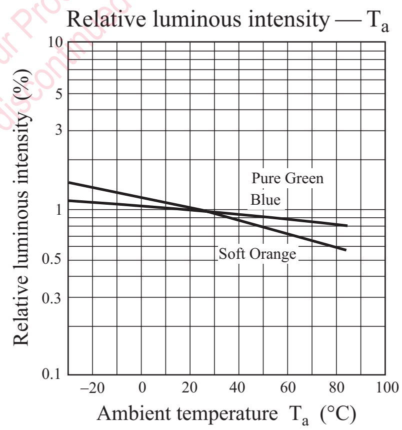
• Blue

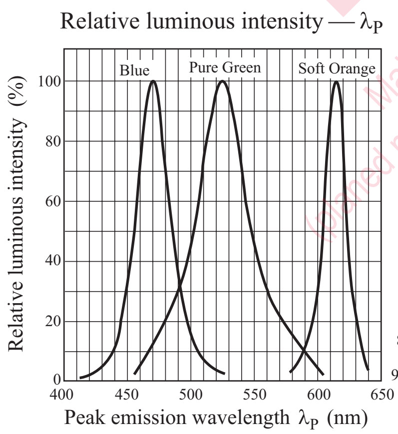
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Luminous intensity *1	I_O	$I_F = 5$ mA	18	30	70	mcd
Forward voltage	V_F	$I_F = 5$ mA		3.1	3.7	V
Peak emission wavelength	λ_P	$I_F = 5$ mA		470		nm
Dominant emission wavelength *2	λ_d	$I_F = 5$ mA	465	472	490	nm
Spectral half band width	$\Delta\lambda$	$I_F = 5$ mA		30		nm

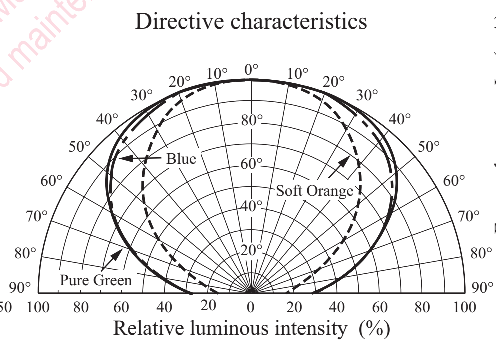
Note) *1: Measurement tolerance: ±20%
*2: Measurement tolerance: ±5 nm

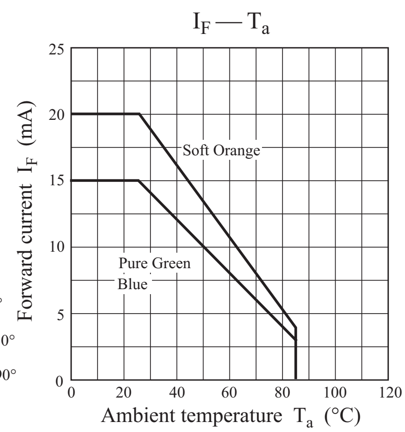






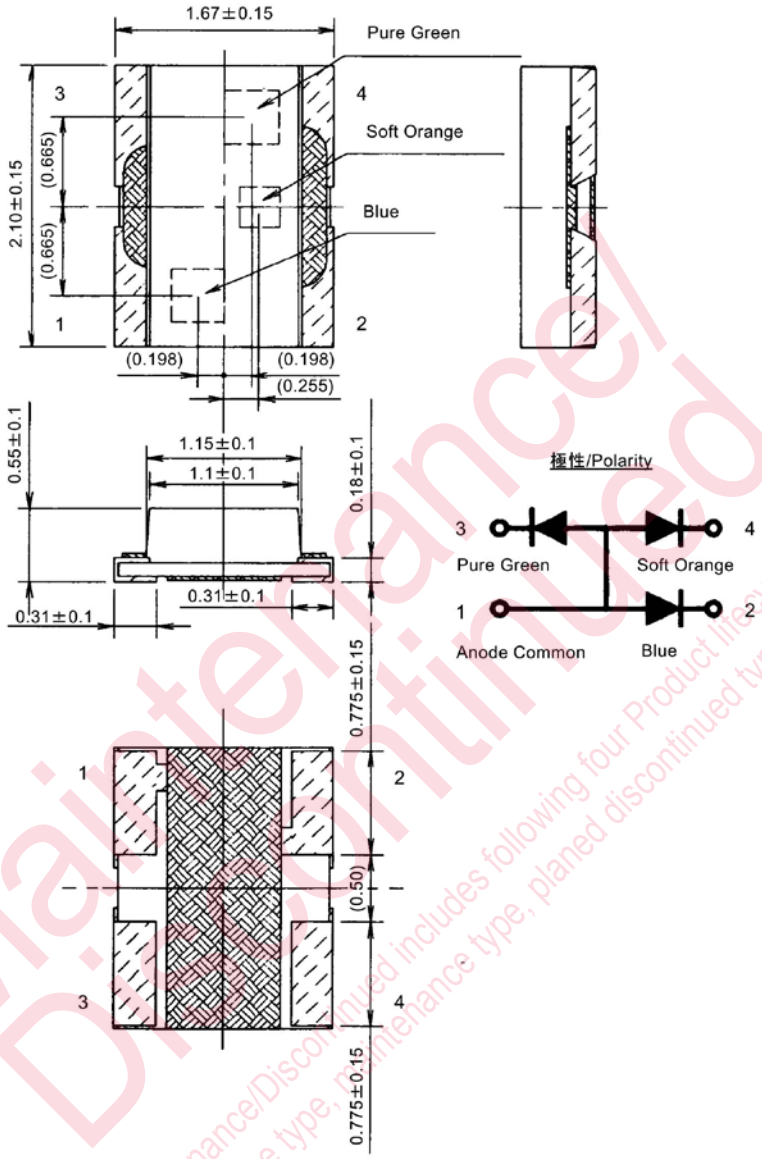






■ Package (Unit: mm)

KLTFTN4K1720



• Pin name
1: Anode
2, 3, 4: Cathode

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