LNJ717W83RAS

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.

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.

■ Electro-Optical Characteristics $T_a = 25$ °C

• Pure Green

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Luminous intensity *1	I _O	$I_F = 5 \text{ mA}$	60	90	160	mcd
Forward voltage	V _F	$I_F = 5 \text{ mA}$		3.1	3.7	V
Peak emission wavelength	λ_{P}	$I_F = 5 \text{ mA}$		525		nm
Dominant emission wavelength *2	λ_{d}	$I_F = 5 \text{ mA}$				
Spectral half band width	Δλ	$I_F = 5 \text{ mA}$		45		nm

Note) *1: Measurement tolerance: ±15% *2: Measurement tolerance: ±3 nm

Publication date: April 2009 SHD00445CEK 1

- Lighting Color
- Pure Green
- Orange
- Blue

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

$\bullet \ Orange$

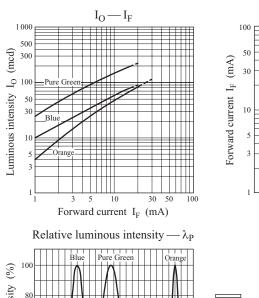
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Luminous intensity *1	I _O	$I_F = 10 \text{ mA}$	20	45	80	mcd
Reverse current	I_R	$V_R = 4 V$			100	μΑ
Forward voltage	$V_{\rm F}$	$I_F = 10 \text{ mA}$		2.0	2.5	V
Peak emission wavelength	λ_{P}	$I_F = 10 \text{ mA}$		630		nm
Dominant emission wavelength *2	λ_{d}	$I_F = 10 \text{ mA}$	610	620	630	nm
Spectral half band width	Δλ	$I_F = 10 \text{ mA}$		15		nm

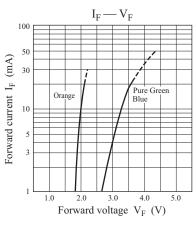
Note) *1: Measurement tolerance: ±15% *2: Measurement tolerance: ±3 nm

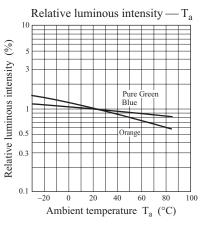
• Blue

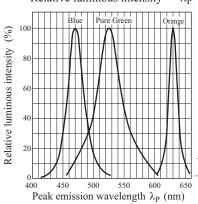
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Luminous intensity *1	I _O	$I_F = 5 \text{ mA}$	15	35	60	mcd
Forward voltage	V _F	$I_F = 5 \text{ mA}$		3.1	3.7	V
Peak emission wavelength	λ_{P}	$I_F = 5 \text{ mA}$		470		nm
Dominant emission wavelength *2	λ_{d}	$I_F = 5 \text{ mA}$	465	472	485	nm
Spectral half band width	Δλ	$I_F = 5 \text{ mA}$		30		nm

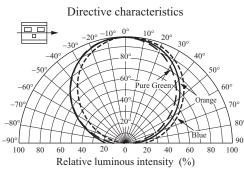
Note) *1: Measurement tolerance: ±15% *2: Measurement tolerance: ±3 nm

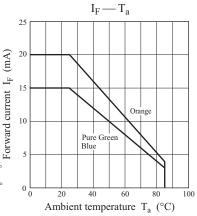










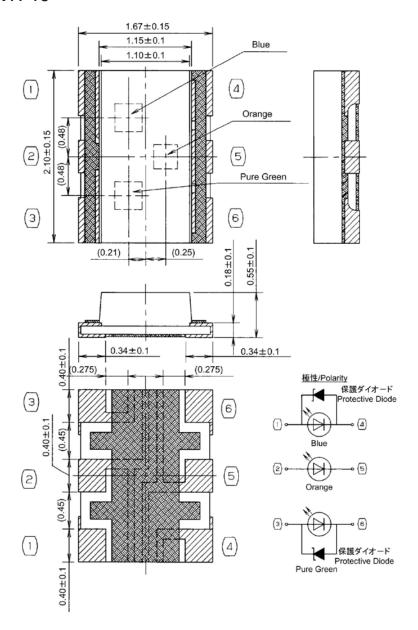


2 SHD00445CEK

Panasonic LNJ717W83RAS

■ Package (Unit: mm)

KLTFTN6K1740



- Pin name
 - 1, 2, 3: Anode
 - 4, 5, 6: Cathode

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