Surface Mounting Chip LED

TSS Type

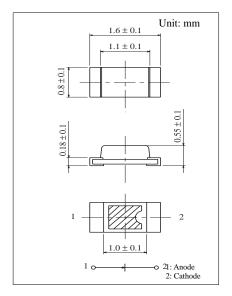
Conventional Part No.		
LNJ212R8ARA ······	···· LNJ212R8ARA	······ Red
LNJ312G8LRA ······	···· LNJ312G8LRA	····· Green
LNJ312G8TRA ······	···· LNJ312G8TRA	····· Green
LNJ412K8YRA ······	···· LNJ412K8YRA	····· Amber
LNJ812R8DRA ······	···· LNJ812R8DRA	····· Orange
LNJ812K8SRA ······	···· LNJ812K8SRA	Soft Orange

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

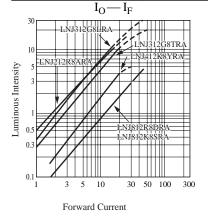
Lighting Color	P _D (mW)	I _F (mA)	I _{FP} (mA)*	$V_R(V)$	T _{opr} (°C)	T _{stg} (°C)
Red	50	20	60	4	− 30 ~ + 85	-40 ~ +100
Green	30	10	50	4	− 30 ~ + 85	-40 ~ +100
Green	50	20	60	4	− 30 ~ + 85	-40 ~ +100
Amber	50	20	60	4	− 30 ~ + 85	-40 ~ +100
Orange	50	20	60	3	− 30 ~ + 85	-40 ~ +100
Soft Orange	50	20	60	3	−30 ~ +85	-40 ~ +100

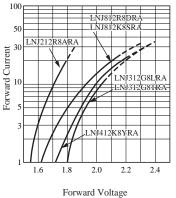
Pulse width 1 msec. The condition of IFP is duty 10%, Pulse width 1 msec

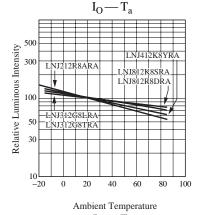
■Electro–Optical Characteristics (T_a = 25°C)

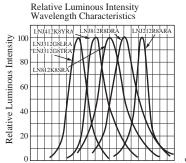


Conventional	Lighting	Lens Color	Io			V _F		λ_{P} $\Delta\lambda$			I _R	
Part No.	Color	Lens Color	Тур	Min	I _F	Тур	Max	Тур	Тур	I_F	Max	V_R
LNJ212R8ARA	Red	Red Diffused	6.7	2.2	10	1.72	2.5	655	20	10	100	3
LNJ312G8LRA	Green	Green Diffused	3.0	1.5	5	1.9	2.4	565	30	5	10	4
LNJ312G8TRA	Green	Green Diffused	5.0	1.8	10	2.03	2.6	565	30	10	10	4
LNJ412K8YRA	Amber	Yellow Diffused	1.5	0.6	10	2.0	2.6	59.	30	10	10	4
LNJ812R8DRA	Orange	Orange Diffused	1.0	0.4	10	1.93	2.6	630	40	10	10	3
LNJ812K8SRA	Soft Orange	Yellow Diffused	1.0	0.4	10	1.93	2.6	610	40	10	10	3
Unit			mcd	mcd	mA	V	V	nm	nm	mA	μΑ	V
$I_{\rm C}$	$-I_{\rm F}$			I_{F}	$-V_F$					I_0	-T _a	

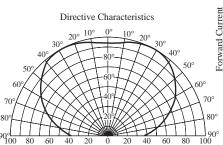


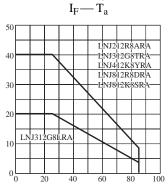






Wavelength





Ambient Temperature Relative Luminous Intensity **Panasonic**

61

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Gallium arsenide material (GaAs) is used in this product.

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