



湖南长富电子有限公司

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Model: LF20401CR/CSR/CSG/CSY

ABSOLUTE MAXIMUM RATINGS($T_a=25^{\circ}\text{C}$)

PARAMETER		Red	Hi-Red	Green	Yellow	UNIT
Reverse voltage	V_r	5	5	5	5	V
Forward current	I_f	20	20	20	20	mA
Peak forward current	I_{peak}	150	150	150	150	mA
Power dissipation	P_t	120	105	105	105	mW
Operating temperature	T_a	$-40\sim+85$	$-40\sim+85$	$-40\sim+85$	$-40\sim+85$	$^{\circ}\text{C}$
Storage temperature	T_{sta}	$-40\sim+85$	$-40\sim+85$	$-40\sim+85$	$-40\sim+85$	$^{\circ}\text{C}$

ELECTRICAL-OPTICAL CHARACTERISTICS($T_a=25^{\circ}\text{C}$)

Part NO.	Wavelength (nm)		Forward Voltage $I_F=20\text{mA}$ (v)		Reverse Current $V_R=5\text{V}(\mu\text{A})$	Luminous Intensity $I_F=20\text{mA}(\text{ucd})$
	λ_P	$\Delta\lambda$	TYP	MAX	MAX	TYP
LF20401CR	700	90	2.25	2.5	20	500
LF20401CSR	660	20	1.8	2.0	20	10000
LF20401CSG	570	30	2.2	2.5	20	10000
LF20401CSY	585	35	2.1	2.4	20	10000

PACKAGE DIMENSION&INTERNAL CIRCUIT DIAGRAM:

