



湖南长富电子有限公司

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Model: LF10803CR/CSR/CSG/CSY

ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

PARAMETER		Red	Hi-Red	Green	Yellow	UNIT
Reverse voltage	Vr	5	5	5	5	V
Forward current	If	20	20	20	20	mA
Peak forward current	Ipeak	150	150	150	150	mA
Power dissipation	Pt	120	105	105	105	mW
Operating temperature	Ta	-40~+85	-40~+85	-40~+85	-40~+85	°C
Storage temperature	Tsta	-40~+85	-40~+85	-40~+85	-40~+85	°C

ELECTRICAL-OPTICAL CHARACTERISTICS(Ta=25°C)

Part NO.	Wavelength (nm)		Forward Voltage IF=20mA (v)		Reverse Current VR=5v(uA)	Luminous Intensity IF=20mA(ucd)
	λ_p	$\Delta\lambda$	TYP	MAX	MAX	TYP
LF10803CR	700	90	2.25	2.5	20	500
LF10803CSR	660	20	1.8	2.0	20	10000
LF10803CSG	570	30	2.2	2.5	20	10000
LF10803CSY	585	35	2.1	2.4	20	10000

PACKAGE DIMENSION&INTERNAL CIRCUIT DIAGRAM:

