



湖南长富电子有限公司

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Model: LFD57031AB/ASR/ASG/ASY

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

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	$^{\circ}\text{C}$
Storage temperature	Tsta	-40~+85	-40~+85	-40~+85	-40~+85	$^{\circ}\text{C}$

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

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
LFD57031AB	465	2.5	3.2	3.5	20	60000
LFD57031ASR	640	5	2.0	2.5	20	30000
LFD57031ASG	570	5	2.2	2.5	20	10000
LFD57031ASY	585	5	2.1	2.4	20	10000

PACKAGE DIMENSION&INTERNAL CIRCUIT DIAGRAM:

