



SOLDERING PATTERN

Absolute Maximum Rating at TA = 25°C

Parameter	Symbol	Absolute Maximum Rating	Unit
Forward Current	IF	30	mA
Power Dissipation	PD	90	mW
Electrostatic Discharge	ESD	130	V
Operating Temperature	Topr	-25~+60	°C
Storage Temperature	Tstg	-40~+80	°C

Electrical/Optical Characteristics at TA = 25°C

Parameter	Symbol	Condition	Color	Min	Typ	Max	Unit
Forward Voltage DC	VF	IF = 20mA	R	2.0	--	2.5	V
			G	3.0	--	3.7	
			B	3.0	--	3.7	
Dominant Wavelength	λD	IF = 20mA	R	--	623	--	nm
			G	--	525	--	
			B	--	466	--	
Luminous Flux	φV	IF = 20mA	R	70	150	--	mcd
			G	110	250	--	
			B	36	90	--	
Recommend Forward Current	IF(rec)	--	--	--	20	--	mA

<p>THIRD ANGLE PROJECTION</p>	<p>METRIC</p>		<p>DIMENSIONS ARE IN MILLIMETERS</p>	
	<p>TOLERANCE UNLESS OTHERWISE SPECIFIED</p> <p>1 PL +/- REF.</p> <p>2 PL +/-</p> <p>ANGLE +/- 0</p>		<p>ANGLE +/- 0</p>	
<p>DRAWN BY L. WENGSTROM</p> <p>APP'VD BY</p> <p>L.R.</p>	<p>DATE 9/10/08</p>	<p>SIZE A</p> <p>SCALE NONE</p>	<p>FSCM NO. 55335</p> <p>DRAWING NO.</p>	<p>RELEASED DATE 9/10/08</p> <p>REVISION DATE</p>
<p>TITLE</p> <p>16177 SMD LED, FULL COLOR</p>		<p>JKL COMPONENTS CORPORATION</p> <p>PL-0809-04</p>		
<p>MANUAL REVISIONS NOT PERMITTED</p>		<p>REV. NO. 1 OF 1</p>		

REV.	DESCRIPTION/ECO NO.	DATE
RELEASED		9/10/08