

Absolute Maximum Ratings (@ 25° C)

Parameter	Min	Тур	Max	Units
Input Power Dissipation	-	-	150 ¹	mW
Input Control Current	-	-	100	mA
Peak (10ms)	-	-	1	А
Reverse Input Voltage	-	-	5	V
Total Power Dissipation	-	-	800 ²	mW
Isolation Voltage Input to Output	3750	-	-	V _{RMS}
Operational Temperature	-40	-	+85	°C
Storage Temperature	-40	-	+125	°C
Soldering Temperature DIP Package Flatpack/Surface Mount	-	-	+260	°C
Package (10 Seconds Max.)	-	-	+220	°C

Absolute Maximum Ratings are stress ratings. Stresses in excess of these ratings can cause permanent damage to the device. Functional operation of the device at these or any other conditions beyond those indicated in the operational sections of this data sheet is not implied. Exposure of the device to the absolute maximum ratings for an extended period may degrade the device and effect its reliability.

Derate Linearly 1.33 mw/°C

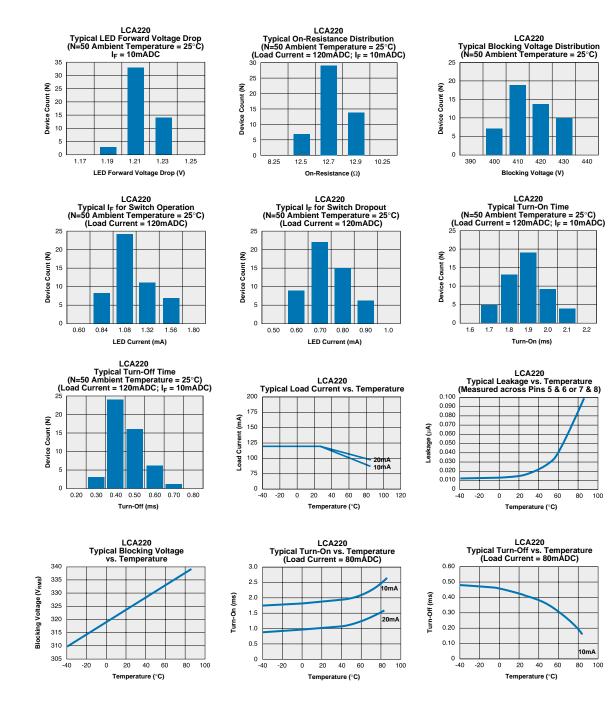
² Derate Linearly 6.67 mw/°C

Electrical Characteristics

Parameter	Conditions	Symbol	Min	Тур	Max	Units
Output Characteristics @ 25°C						
Load Voltage (Peak)	-	VL	-	-	250	V
Load Current (Continuous)	-	l l	-	-	120	mA
Peak Load Current	10ms max	I _{LPK}	-	-	340	mA
On-Resistance	I ₁ =120 mA	R _{on}	-	-	20	
Off-State Leakage Current	V ₁ =250V	ILEAK	-	-	1	mA
Switching Speeds	L	LEAK				
Turn-On	I _F =10mA, V _L =10V	T _{ON}	-	-	5	mS
Turn-Off	$I_F = 10 \text{mA}, V_L = 10 \text{V}$	T _{OFF}	-	-	5	mS
Output Capacitance	50V; f=1MHz	C _{OUT}	-	50	-	рF
*Input Characteristics @ 25°C						
Input Control Current	I ₁ =120mA	I _F	10	-	100	mA
Input Dropout Current	-	-	0.8	1.4	-	mA
Input Voltage Drop	I _F =10mA	V _F	0.9	1.2	1.4	V
Reverse Input Voltage	· -	V _R	-	-	5	V
Reverse Input Current	V _R =5V	I _R	-	-	20	mA
Input to Output Capacitance	-	C _{I/O}	-	3	-	pF
Input to Output Isolation	-	V _{I/O}	3750	-	-	V _{RMS}

*Input characteristics represent requirements of two parallel connected LEDs.

PERFORMANCE DATA*

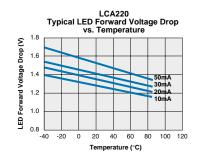


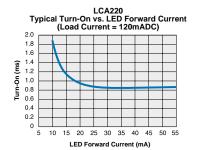
The Performance data shown in the graphs above is typical of device performance. For guaranteed parameters not indicated in the written specifications, please contact our application department.

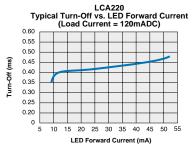
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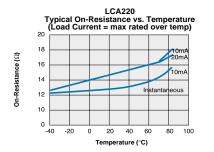


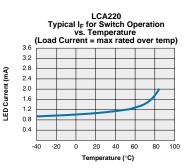
PERFORMANCE DATA*

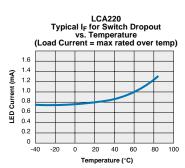


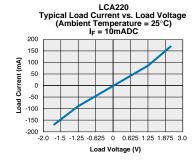


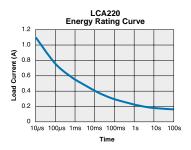






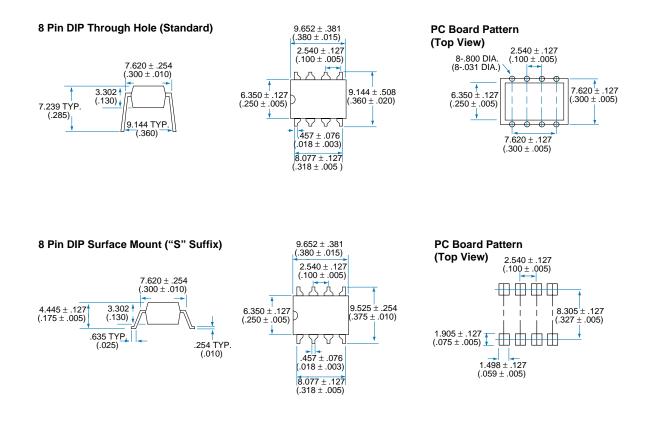




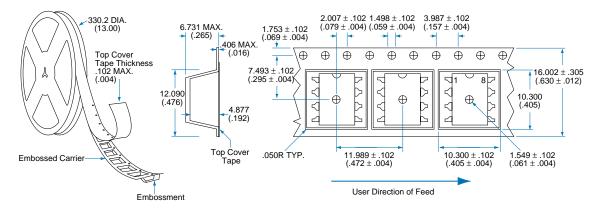


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Mechanical Dimensions



Tape and Reel Packaging for 8 Pin Surface Mount Package



Dimensions mm (inches)

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