



D 620 P

Absolute maximum ratings

Supply voltage	V_S	15	V
Supply current	I_S	53	mA
Input voltage	V_I	5	V
Input current	I_I	1	mA
Total power dissipation $T_{amb} = 40^\circ\text{C}$	P_{tot}	800	mW
Junction temperature			
IC	T_J	150	$^\circ\text{C}$
LED	T_J	100	$^\circ\text{C}$
Ambient temperature range	T_{emb}	-10...+50	$^\circ\text{C}$
Storage temperature range	T_{sig}	-25...+85	$^\circ\text{C}$
Soldering temperature range 2 mm from case, $t = 2$ s	T_{sd}	260	$^\circ\text{C}$

Maximum thermal resistance

Junction ambient	R_{thJA}	130	K/W
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Optical and electrical characteristics

$V_S = 12$ V, $T_{amb} = 25^\circ\text{C}$

Supply voltage range	V_S	12	15	V
Total supply current	I_S	30	53	mA
Input current	$-I_I$	5	nA	
Input voltages of soft transitions	V_I	110; 200	mV	
	V_I	290; 380	mV	
	V_I	470; 560	mV	
	V_I	650; 740	mV	
	V_I	830; 920	mV	
Luminous intensity per segment	I_V	150		μcd
Matching factor	$m = \frac{I_{min}}{I_{max}}$	0.5		
Dominant wavelength	λ_D	382		nm

