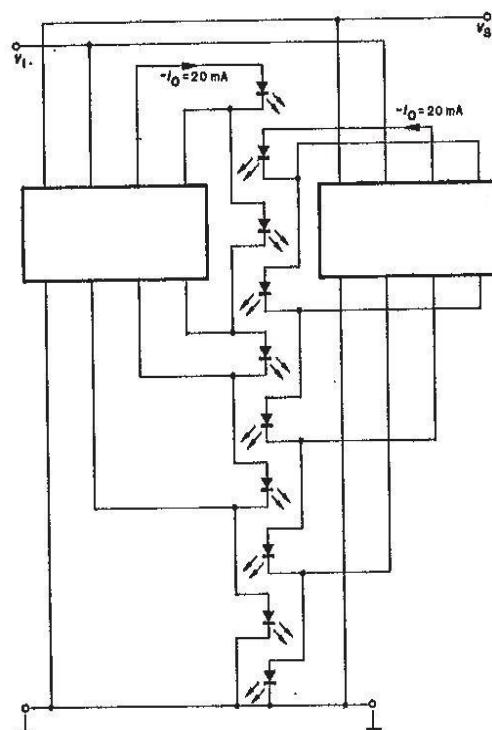




D 620 P



'Fig. 2 Diagram

D 620 P

Absolute maximum ratings

Supply voltage	V_S	15	
Supply current	I_S	53	mA
Input voltage	V_I	5	
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	
LED	T_J	100	
Ambient temperature range	T_{amb}	-10...+50	
Storage temperature range	T_{stg}	-25...+85	
Soldering temperature range 2 mm from case, $t = 2$ s	T_{sd}	260	
<hr/>			
Maximum thermal resistance			
Junction ambient	R_{thJA}	130	K/W

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

Supply voltage range	V_S	12	15	
Total supply current	I_S	30	53	n
Input current	$-I_I$	5		i
Input voltages of soft transitions	V_I	110; 200		r
	V_I	290; 380		r
	V_I	470; 560		r
	V_I	650; 740		r
	V_I	830; 920		r
Luminous intensity per segment	I_V	150		μ
Matching factor				
$m = \frac{I_{Vmin}}{I_{Vmax}}$	m	0.5		
Dominant wavelength	λ_D	382		r

V

nA

V

nA

iW

°C

°C

°C

°C

°C

/W

V
nA
mA
mV
mV
mV
mV
mV
mV
per

nm