ELECTRICAL CHARACTERISTICS[1][2] (continued)

Parameter	Conditions [1]		Min	Typ	Max	Units
VOLTAGE REFERENCE						
Output Voltage	0.1 mA ≤ $I_{L(REF)}$ ≤ 4 mA, $V^+ = V_{LED}$ = 5V		1.2	1.28	1.34	V
Line Regulation	3V ≤ V^+ ≤ 18V			0.01	0.03	%/V
Load Regulation	0.1 mA ≤ $I_{L(REF)}$ ≤ 4 mA, $V^+ = V_{LED}$ = 5V			0.4	2	%
Output Voltage Change with Temperature	0°C ≤ T_A ≤ +70°C, $I_{L(REF)}$ = 1 mA, V^+ = 5V			1		%
Adjust Pin Current				75	120	µA
OUTPUT DRIVERS						
LED Current	$V^+ = V_{LED}$ = 5V, $I_{L(REF)}$ = 1 mA		7	10	13	mA
LED Current Difference (Between Largest and Smallest LED Currents)	V_{LED} = 5V	I_{LED} = 2 mA		0.12	0.4	mA
		I_{LED} = 20 mA		1.2	3	
LED Current Regulation	2V ≤ V_{LED} ≤ 17V	I_{LED} = 2 mA		0.1	0.25	mA
		I_{LED} = 20 mA		1	3	
Dropout Voltage	$I_{LED(ON)}$ = 20 mA, V_{LED} = 5V, ΔI_{LED} = 2 mA				1.5	V
Saturation Voltage	I_{LED} = 2.0 mA, $I_{L(REF)}$ = 0.4 mA			0.15	0.4	V
Output Leakage, Each Collector	(Bar Mode) [4]			0.1	10	µA
Output Leakage	(Dot Mode) [4]	Pins 10–18		0.1	10	µA
		Pin 1	60	150	450	µA
SUPPLY CURRENT						
Standby Supply Current (All Outputs Off)	V^+ = 5V, $I_{L(REF)}$ = 0.2 mA			2.4	4.2	mA
	V^+ = 20V, $I_{L(REF)}$ = 1.0 mA			6.1	9.2	mA

(4) Bar mode results when pin 9 is within 20mV of V^+. Dot mode results when pin 9 is pulled at least 200mV below V^+ or left open circuit. LED No. 10 (pin 10 output current) is disabled if pin 9 is pulled 0.9V or more below V_{LED}.