

KA2261

LINEAR INTEGRATED CIRCUIT

ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)

RATING	SYMBOL	VALUE	UNIT
Supply Voltage	V _{cc}	16	V
Lamp Current	I _L	40	mA
Power Dissipation	P _d	400	mW
Operating Temperature	T _{opr}	-20 ~ +70	°C
Storage Temperature	T _{stg}	-40 ~ +125	°C

ELECTRICAL CHARACTERISTICS (Ta = 25°C, V_{cc} = 6V, f = 1KHz, R_L = 3.3KΩ)

CHARACTERISTIC	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT
Input Impedance	Z _{in}		15	20		KΩ
Circuit Current	I _{cco}	V _{IN} = 0		8.5	12	mA
Channel Separation	Sep	V _{IN} = 100mV L+R = 90% P = 10% f=1KHz	35	45		dB
Total Harmonic Distortion	THD	V _{IN} = 100mV L+R = 90% P = 10% f = 1KHz		0.2	0.7	%
Output Voltage	V _o	V _{IN} = 100mV f = 1KHz	66	85	115	mV
Channel Balance	CB	V _{IN} = 100mV, f = 1KHz		0.5	1.5	dB
Lamp on Level	V _{L(on)}	L+R = 90% P = 10%		65		mV
Lamp Hysteresis	HY			3.5	6.0	dB
Max Input Level	V _i	THD = 2%		450		mV _{rms}
SCA Rejection Ratio	SCA Rej	L+R = 90% P = 10%		70		dB
Signal-To-Noise Ratio	S/N	V _{IN} = 100mV f = 1KHz		75		dB
Carrier Leak	C L	V _{IN} = 100mV L+R = 90% P = 10%		32		dB
Capture Range	CR	V _{IN} = 100mV L+R = 90% P = 10%		±3		%