



**Electrical Characteristics (Cont'd):** ( $T_A = +25^\circ\text{C}$ ,  $V_+ = 11.6\text{V}$  unless otherwise specified)

Parameter	Symbol	Test Conditions						Typ	Unit	
		S <sub>1</sub>	S <sub>2</sub>	S <sub>3</sub>	Chroma In	Burst In	V <sub>4</sub>			V <sub>17</sub>
<b>Dynamic Characteristics</b>										
Minimum OSC Pull-In Range (Note 1)	V <sub>12</sub>	2	1	1	273mV <sub>P-P</sub>		1.5V	7V	±300	Hz
OSC Level	V <sub>12</sub>	2	1	1						0.6
100 Percent ACC	V <sub>13</sub>	1	1	1					1.0	V <sub>P-P</sub>
Minimum Gain Control	V <sub>13</sub>	1	1	1			11.6V		20	mV <sub>P-P</sub>
50 Percent Gain Control	V <sub>13</sub>	1	1	1			6.0V		50	% of
200 Percent ACC	V <sub>13</sub>	1	1	1	546mV <sub>P-P</sub>		1.5V		100	100% ACC
20 Percent ACC	V <sub>13</sub>	1	1	1	54.6V <sub>P-P</sub>				100	Value
Maximum Kill Output	V <sub>13</sub>	1	1	1	54.6mV <sub>P-P</sub>	4mV <sub>P-P</sub>			20	mV <sub>P-P</sub>
Minimum Unkill Output	V <sub>13</sub>	1	1	1		30mV <sub>P-P</sub>			400	mV <sub>P-P</sub>
Overload Detector (OLD)	V <sub>13</sub>	1	1	2	546mV <sub>P-P</sub>	273mV <sub>P-P</sub>			1.0	V <sub>P-P</sub>
R-Y Sensitivity (E <sub>g</sub> = 282mV <sub>P-P</sub> , 3.53MHz)	V <sub>10</sub>	1	2	1	0				0.8	V <sub>P-P</sub>
R-Y Ratio B-Y/R-Y (Note 2)	V <sub>8</sub>	1	2	1					120	%
G-Y Ratio G-Y/R-Y (Note 2)	V <sub>9</sub>	1	2	1					33	%
Maximum R-Y Output (E <sub>g</sub> = 2V <sub>P-P</sub> , 3.53MHz)	V <sub>10</sub>	1	2	1					3.0	V <sub>P-P</sub>
Minimum Tint Control Range	φ <sub>13</sub>	1	1	1	273mV <sub>P-P</sub>			0V to 11.6V	80	Degrees

Note 1. Tune C<sub>2</sub> to 3,579,845Hz with S<sub>1</sub> in position 2. Put S<sub>1</sub> in position 1, and check for pull-in. Repeat for frequency tuned to 3,579,245Hz. For other tests, frequency tuned to 3,579,545Hz ±10Hz.

Note 2. All input levels up to 2V<sub>P-P</sub>.



