

Distortion Measurements, G3 to Cathode Vs. G3 to Screen

Distortion	Freq	0.5 Vrms	5.0 Vrms	50 Vrms	0.5 Vrms
		G3-G2-A	G3-G2-A	G3-G2-A	G3-K, G2-A
THD Unweighted, 400 Hz – 80 kHz	1 kHz	0.390	0.109	0.700	0.368
THD Unweighted, 400 Hz – 80 kHz	10 kHz	0.391	0.178	0.638	0.370
THD Average, 400 Hz – 80 kHz	1 kHz	0.390	0.109	0.698	0.370
THD Average, 400 Hz – 80 kHz	10 kHz	0.392	0.078	0.640	0.371
THD Weighted IEC-A, 400 Hz	1 kHz	0.088	0.119	0.802	0.086
THD Weighted IEC-A, 400 Hz	10 kHz	0.088	0.022	0.185	0.090
THD Weighted CCIR-QPK, 400 Hz	1 kHz	0.367	0.218	1.690	0.320
THD Weighted CCIR-QPK, 400 Hz	10 kHz	0.366	0.037	0.066	0.304
IMD 70 Hz/8kHz		0.055	0.246	2.280	0.034

G3 resistor = 820 ohm

G2 resistor = 120 ohm

Tube = E180F, Grid Leak Bias, Va ~ 85 Vdc

Plate Load = IXYS 10M45S @ 9.9 ma

5.0 Vrms	50 Vrms
G3-K, G2-A	G3-K, G2-A
0.118	0.587
0.085	0.653
0.119	0.584
0.085	0.652
0.131	0.667
0.024	0.189
0.233	1.340
0.032	0.057
0.298	2.170