



**Figure 1**

**NOTES:**  
 UNLESS OTHERWISE NOTED,  
 ALL RESISTORS: 1206.5%.  
 BR<sub>1</sub>: GENERAL INSTRUMENTS W06G.  
 C<sub>2</sub>, C<sub>3</sub>, AND C<sub>4</sub>: SANYO MV-GX.

D<sub>1</sub>: MBR20300CT.  
 L<sub>1</sub>: HM18-10001.  
 T<sub>1</sub>: PREMIER MAGNETICS POL-15033.

**A 30W offline power supply passes FCC Class B emission requirements without line-to-earth-ground capacitors.**