

# SPECIFICATION

INDUCTANCE: (Using IHP IAD universal bridge  
 2255A) at 1KHz, range L1, MAX level  
 0.42 mH ± 5% terminal 5 to 7

RESISTANCE: at 20°C  
 0.33 Ω ± 5% terminal 5 to 7

OPERATING FREQUENCY:  
 5-75 KHz

HIGH VOLTAGE OUT PUT:  
 3.4 KV ± 5% V at anode current 0 μA... E0  
 3.1 KV ± 5% V at anode current 50 μA... E1

HIGH VOLTAGE REGULATION:  
 1% max Regulation =  $\frac{E_0 - E_1}{E_0} \times 100$

DC FLYBACK CURRENT:  
 700 μA max at anode current 50 μA

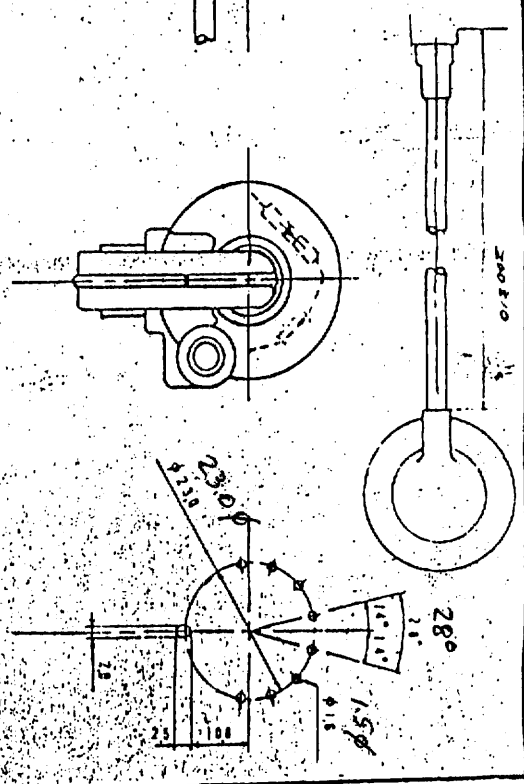
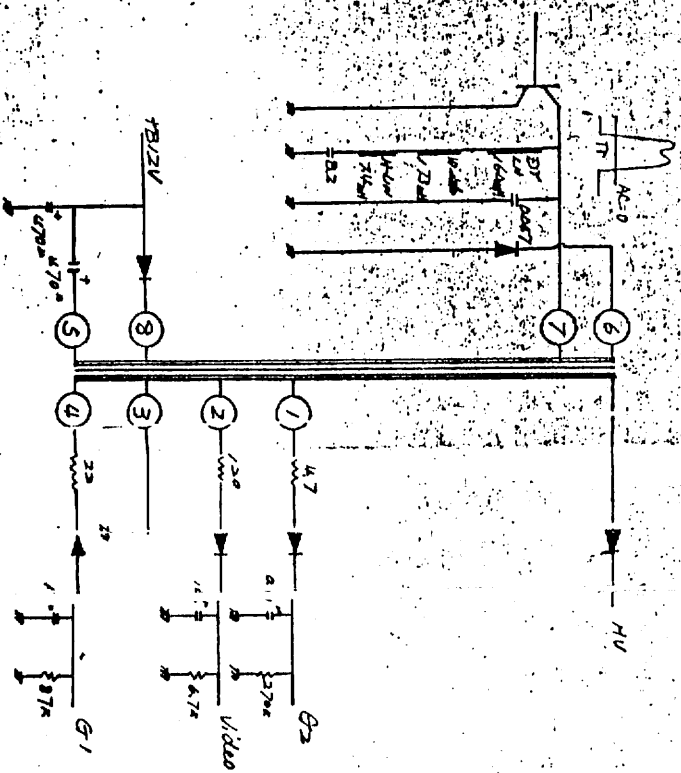
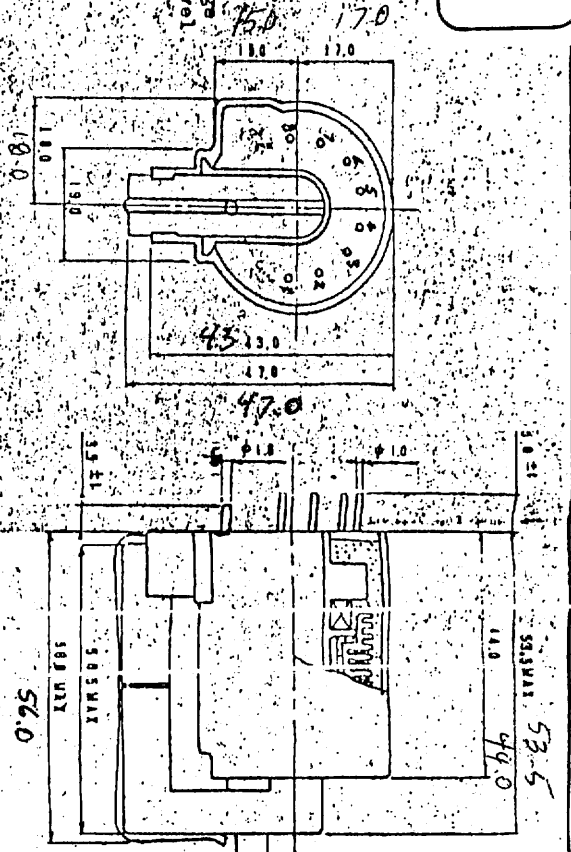
PEAK FLYBACK PULSE:  
 170 V max at anode current 50 μA

REFERENCE TIME:  
 11.0 μs at anode current 50 μA

LOAD VOLTAGES: As follows

Beam 2	270V ± 2.5%	at anode current 50 μA
θ2	400V ± 2.7%	at anode current 50 μA
θ1	133V ± 2.7%	at anode current 50 μA
1/1000	72V ± 2.7%	at anode current 50 μA

RINGING:  
 shall be 20% of peak flyback pulse, max



TMF-2214U  
 (TMF-2200)

**HUMIDITY TEST:**

The transformer withstand 90-95% relative humidity test, 40 ± 3°C for 24 hours. After drying period of an hour at normal room temperature, the transformer shall be capable to satisfy these left mentioned specification.

**TEMPERATURE TEST:**

The transformer withstand 80 ± 5°C temperature. The transformer shall be capable to satisfy these left mentioned specification.

ADVERTISING DRAWING, BOTTOM VIEW