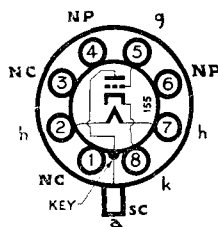


TYPES C12B, C12D **INTERNATIONAL** **(OCTAL BASE)** **MAGNETIC TELETUBE** **ALUMINIZED SCREEN**

**RATINGS**

	C12B	C12D
Heater Voltage	2.0 volts	
Heater Current	2.5 amps.	
Anode Voltage	12 kV max.	7 kV max.
Anode Voltage	8.5 kV min.	5 kV min.
Beam Current	.15 mA max.	
Peak Heater to Cathode potential	150 volts max.	
Peak Heater to Cathode potential*	250 volts max.	

* Heater negative with respect to cathode and only during warm-up period of 15 secs. maximum duration.

CHARACTERISTICS

	C12B	C12D
Anode Voltage	10 kV	6 kV
Grid Voltage (for beam cut-off)...	—60 to —140 volts	—40 to — 100 volts
Peak to Peak Modulation (for max. beam current)	30 volts	
Focusing Requirements (coil with $\frac{1}{4}$ " gap)	750 amp. turns	600 amp. turns
Scanning Sensitivity (coil of mean length $1\frac{3}{4}$ ")	5 amp. turns/cm.	3.5 amp. turns/cm.
Distance from Centre of Focus coil to grid aperture	$1\frac{3}{4}$ inches	

INTER-ELECTRODE CAPACITANCES

Grid to all	9.0 pF	Cathode to all	7.0 pF
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DIMENSIONS

Overall length	502 mm. $\pm$ 3 mm.
Overall diameter	303 mm. min., 306.5 mm. max.
Neck diameter	35 mm. $\pm$ 0, —1 mm.