

BRIEF OUTLINE DESCRIPTION

The Thomas Electronics 16M307P-M is a high resolution 16" diameter, magnetic deflection and electromagnetic focus Cathode Ray Tube designed for radar and similar displays.

GENERAL CHARACTERISTICS

Deflection Method	Magnetic
Focusing Method	Electrostatic
Heater Voltage	6.3 Volts
Heater Current	0.3 Amps maximum
Maximum Accelerator Voltage	18,000 volts
Deflection Angle (diagonal)	53 degrees
Phosphor (Note 2)	Aluminized P26
Implosion Panel	92% transmission Non-etched, no AR Coating

TYPICAL OPERATING CONDITIONS

Accelerator Voltage	15,000 Volts DC
Grid No. 2 Voltage	300 Volts DC
Grid No. 1 Voltage (Note 2)	-30 to -80 Volts DC
Focusing Electrode Voltage	-300 to +300 volts
Modulation	35 volts
Line Width	0.014 Inch max.
Spot Position	Within a 0.250" radius circle

NOTES

1. Other phosphor screens can be supplied.
2. Visual extinction of the un-deflected, focused spot.
3. Line width measured at the tube face.
4. With the tube shielded against external influences, the un-deflected and focused spot will fall within 0.350 inches radius circle concentric with the tube face center.