HIGH RESOLUTION DISPLAY TUBES
9 inch diameter Display Tubes with an optically flat face which has ground internal and external surfaces.

FOCUS. ... Magnetic
DEFLECTION. ... Magnetic

SCREEN. 9/25AM 9/25PM 9/25QM
Phosphor Type 'A' 'P' 'Q'
Fluorescence Green Blue Blue/Violet
Persistence Ultra Short Ultra Short Killed

All types have metal-backed screens.

For further details refer to the relevant phosphor characteristics at the front of this section of the handbook.

PHYSICAL DETAILS.
Base ... Anode Cap ... B12A (Duodecal)
CT8 Cavity Type (JEDEC Type J1-21)
Max. Overall Length ... 590 mm.
Max. Diameter ... 236 mm.
Nom. Neck Diameter ... 35 mm.
*Useful Screen Area Diameter ... 210 mm. min.

BASE CONNECTIONS.
Pin 1—Heater
Pin 2—Grid.
Pin 3—No Pin.
Pin 4—No Pin.
Pin 5—No Pin.
Pin 6—Not Connected.
Pin 7—Not Connected.
Pin 8—No Pin.
Pin 9—No Pin.
Pin 10—Not Connected.
Pin 11—Cathode.
Pin 12—Heater.

Side contact—Anode.

HEATER.
Heater Voltage ... 6.3 V.
Heater Current ... 0.3 A.

RATINGS.
Max. Anode Voltage ... 30 kV.
Nom. $V_g$ for visual cut-off ... $V_a/210$
Max. $V_h-k$ (heater negative) ... 200 V.
Max. $V_h-k$ (heater positive) ... 200 V.
Max. $R_g-k$ ... 1.5 MΩ

TYPICAL OPERATION.
Heater Voltage ... 6.3 V.
Anode Voltage ... 20 kV.
$V_g$ for visual cut-off ... −90 V.

Line width at screen centre ... See graph on page 4.

CAPACITANCE.
$C_k$—all ... <8pF.
$C_g$—all ... <8pF.

X-RAY WARNING: When operated at an anode voltage in excess of 16 kV, shielding may be required to protect against harmful X-ray radiation which could cause possible injury from prolonged exposure.

*Minimum diameter of internal ground surface

Ferranti

FERRANTI LIMITED, GEM MILL, CHADDERTON, OLDHAM, LANCs.
233 ± 3 DIA.

210 MIN. DIA.
USEFUL SCREEN AREA.

7 RAD.

312 R.

252 ± 5

36 DIA.
REFERENCE LINE

170 ± 5

CAVITY CAP
TYPE C T 8.

585 ± 5

35 - 1 DIA.

+ .5

ALL DIMENSIONS IN MILLIMETERS

FERRANTI LIMITED, GEM MILL, CHADDERTON, OLDHAM, LANCs.
TYPICAL BEAM CURRENT/GRID VOLTAGE CHARACTERISTIC

BEAM CURRENT (μA)

GRID VOLTAGE