

ELECTRONIC TUBE REFERENCE

B110

Specialized - X-Ray Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
XRAY

GENERAL CHARACTERISTICS

BASE DESIGNATION	InternationalOctal	BASE PINS	8
NOMINAL HEATER	– / –	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 XRay	
MAXIMUM PLATE VOLTAGE	50000 V
MAXIMUM PLATE DISSIPATION	25 W
Ferranti low-voltage copper-target X-ray tube. Maximum target voltage 50 kV DC or 25 kV AC; target dissipation 25 W continuous or 500 W intermittent; maximum negative grid bias 1400 V; maximum filament current 6 A. Typical 40 kV DC operation: filament 5.5 A, approximately 36 V; target spot approximately 0.8 mm. Target voltage is not ordinary amplifier plate voltage.	

SOURCE OPERATING CONDITIONS

9999 Mixed I 1000

Published test conditions and operating points. Values on this page are preserved as reported by this source.

9999 MIXED I 1000

Section 1 · XRay

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	40000 V	X-ray target voltage and grid bias; not ordinary plate amplifier operation
Grid Voltage	-1400 V	X-ray target voltage and grid bias; not ordinary plate amplifier operation