

ELECTRONIC TUBE REFERENCE

7QR20

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Small Tesla cathode-ray display tube for compact oscillographs and continuous monitoring of complex electrical waveforms, using electrostatic focusing and asymmetric electrostatic deflection at approximately 1 kV.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 700 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	1000 V
Electrical section mapped from published characteristics and maximum ratings.	

TESLA 7QR20 is a small cathode-ray display tube for compact oscillographs or continuous monitoring of complex electrical waveforms, with electrostatic focusing and asymmetric electrostatic deflection.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Tesla

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

195X TESLA

Section 1 · Cathode Ray

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Useful screen diameter	60 mm	—
Deflection sensitivity D1-D2 at 500 V	0.44 mm/V	—
Deflection sensitivity D1-D2 at 800 V	0.275 mm/V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	500 V	—
Plate voltage	800 V	—

TUBE TINKER

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