



ELECTRONIC TUBE REFERENCE

AFX203

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Directly heated xenon-filled triode thyatron for stable arc switching over a wide ambient-temperature range, suitable for demanding control equipment.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	25 V / 4 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Thyatron	
MAXIMUM CATHODE CURRENT	17 A
<i>Gas-filled triode thyatron; pulse/ignition ratings retained in parameters.</i>	

The Marconi AFX203 is a directly heated xenon-filled triode thyatron whose control characteristics are relatively insensitive to ambient temperature.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Thyatron

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	25 V	—
Filament current	4 A	—
Peak inverse voltage	300 V	—
Peak forward voltage	280 V	—
Peak anode current	17 A	—
Average anode current	400 mA	—
Warm-up time	20 s	—
Ambient temperature	-40–65 C	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-grid capacitance	1 pF	—
Grid-cathode capacitance	10.4 pF	—