

ELECTRONIC TUBE REFERENCE

FX215

Specialized - Thyatron electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
THYRATRON

Hydrogen-filled pulse thyatron for high peak-current and high forward- and inverse-voltage pulse applications. Fast discharge switching handles substantial pulse energy.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 27.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Thyatron	
MAXIMUM CATHODE CURRENT	200 A
Gas thyatron; pulse and ignition values retained as parameters.	

The Marconi FX215 is a hydrogen-filled pulse thyatron for high peak-current and high forward/inverse-voltage pulse applications.



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
Heater voltage	2.5 V	—
Heater current	27.5 A	—
Cathode heating time	120 s	—
Maximum anode voltage	16000 V	—
Peak anode current	200 A	—
Average anode current	200 mA	—
Peak inverse voltage	16000 V	—
Duty cycle maximum	0.001	—
Trigger voltage minimum	150 V	—
Ambient temperature	-50–90 C	—

TUBE TINKER

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and their source documents.

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