

ELECTRONIC TUBE REFERENCE

RX215

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
RECTIFIER-RECTIFIER

Raytheon mercury-vapor full-wave rectifier for very high-current power conversion. Its mercury discharge provides exceptionally high peak-current capability with a characteristic low forward tube drop.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 30 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1000 V
NOMINAL OUTPUT CURRENT	20 mA
PEAK FORWARD CURRENT	120 A
FORWARD VOLTAGE DROP	10 V
Published rectifier maximum peak inverse voltage, peak plate current, DC output current and average tube drop reviewed.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1000 V
NOMINAL OUTPUT CURRENT	20 mA
PEAK FORWARD CURRENT	120 A
FORWARD VOLTAGE DROP	10 V
Physical rectifier section 2; identical section values duplicated per physical-section policy.	

RX215 is a Raytheon full wave—mercury rectifier with published peak-inverse-voltage, peak-current, DC-output-current and tube-drop ratings.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X Raytheon Special Purpose Tubes

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

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament/heater voltage	2.5 V	FullWave MercuryVapor
Filament/heater current	30 A	FullWave MercuryVapor
Average tube voltage drop	10 V	FullWave MercuryVapor

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage	1000 V	FullWave MercuryVapor
Peak plate current per plate	120000 mA	FullWave MercuryVapor
DC output current	20 mA	FullWave MercuryVapor