

ELECTRONIC TUBE REFERENCE

CK1003

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Cold-cathode full-wave gas rectifier, also designated 0Z4A, requiring no heater supply. Rated for approximately 880 V peak inverse voltage and 110 mA nominal rectified output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8XD	BASE PINS	8
NOMINAL HEATER	– / –	PARALLEL HEATER	– / –
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	880 V
NOMINAL OUTPUT CURRENT	110 mA
PEAK FORWARD CURRENT	330 mA
FORWARD VOLTAGE DROP	24 V
Full-wave gas rectifier; identical diode paths represented once under repeated-section compression.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	880 V
NOMINAL OUTPUT CURRENT	110 mA
PEAK FORWARD CURRENT	330 mA
FORWARD VOLTAGE DROP	24 V
Second physical rectifier section; promoted electrical properties populated from identical section.	

Cold-cathode full-wave gas rectifier, printed as co-designation 0Z4A/CK1003.

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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage maximum	880 V	FullWave;Gas
Peak plate current per plate maximum	330 mA	FullWave;Gas
DC output current maximum	110 mA	FullWave;Gas

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Average tube voltage drop	24 V	FullWave;Gas

195X RAYTHEON SPECIAL PURPOSE TUBES

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak inverse voltage maximum	880 V	FullWave;Gas
Peak plate current per plate maximum	330 mA	FullWave;Gas