

ELECTRONIC TUBE REFERENCE

R42

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Ferranti indirectly heated high-vacuum full-wave rectifier with cathode internally connected to one heater side, intended for conventional electronic power-supply rectification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 2.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	1400 V
PEAK FORWARD CURRENT	375 mA
Two rectifier anodes used for full-wave service; represented once under identical-section compression.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	1400 V
PEAK FORWARD CURRENT	375 mA
Second physical Rectifier section added for documented full-wave construction.	

Indirectly heated high-vacuum full-wave rectifier with cathode internally tied to one heater side.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Ferranti Technical Handbook

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

1961 FERRANTI TECHNICAL HANDBOOK

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS anode voltage maximum	500 V	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Full-wave power rectifier	—