ELECTRONIC TUBE REFERENCE

5839

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
RECTIFIER-RECTIFIER

Bendix Red Bank full-wave high-vacuum rectifier for aircraft and industrial equipment. Long-life, shock-resistant construction and a 26.5 V heater suit demanding airborne and professional power supplies.

General characteristics

BASE DESIGNATION	6S	**BASE PINS**	8
NOMINAL HEATER	26.5 V / 285 mA	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

6S - Terminal pinout

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 — IS	A	IS — Internal Screen	CONNECTED
PIN2 — H	—	H — Heater	CONNECTED
PIN3 — 2P	A	P — Plate (Anode)	CONNECTED
PIN5 — 1P	A	P — Plate (Anode)	CONNECTED
PIN7 — H	—	H — Heater	CONNECTED
PIN8 — K	A	K — Cathode	CONNECTED

Section ratings

SECTION1 Rectifier

PEAK INVERSE VOLTAGE	1375 V
NOMINAL OUTPUT CURRENT	65 mA
PEAK FORWARD CURRENT	270 mA

Published characteristics and ratings promoted where clearly recoverable from source.

SECTION2 Rectifier

PEAK INVERSE VOLTAGE	1375 V
NOMINAL OUTPUT CURRENT	65 mA
PEAK FORWARD CURRENT	270 mA

Second physical rectifier section; electrical properties populated from applicable published ratings.

These full-wave, high-vacuum rectifiers are from the Bendix Red Bank line of reliable vacuum tubes specifically designed for aircraft and industrial applications where freedom from early failures, long average service life, and uniform operating characteristics are extremely im- portant. Each tube is given a 45-hour run-in under various overload, vibration and shock conditions likely to be en- countered in service. This run-in serves to reduce early failures by eliminating tubes with any minor defects that might lead to failure under actual operating conditions. The three tubes covered on this sheet are identical with the exception of the filament

SOURCE OPERATING CONDITIONS

SOURCE PDF

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Rectifier

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
DC output current maximum	**65 mA**	FullWave
Peak inverse voltage maximum	**1375 V**	FullWave
RMS supply voltage per plate	**300 V**	FullWave
Peak current per plate maximum	**270 mA**	FullWave

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 2 · Rectifier

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
DC output current maximum	**65 mA**	FullWave
Peak inverse voltage maximum	**1375 V**	FullWave
RMS supply voltage per plate	**300 V**	FullWave
Peak current per plate maximum	**270 mA**	FullWave

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

196X Bendix

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

196X BENDIX

Section 1 · Rectifier

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate Voltage	**30 V**	Published datasheet value; see source context.

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate Current	**230 mA**	Published datasheet value; see source context.

196X BENDIX

Section 2 · Rectifier

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate Voltage	**30 V**	Published datasheet value; see source context.

CHARACTERISTIC		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Plate Current	**230 mA**	Published datasheet value; see source context.