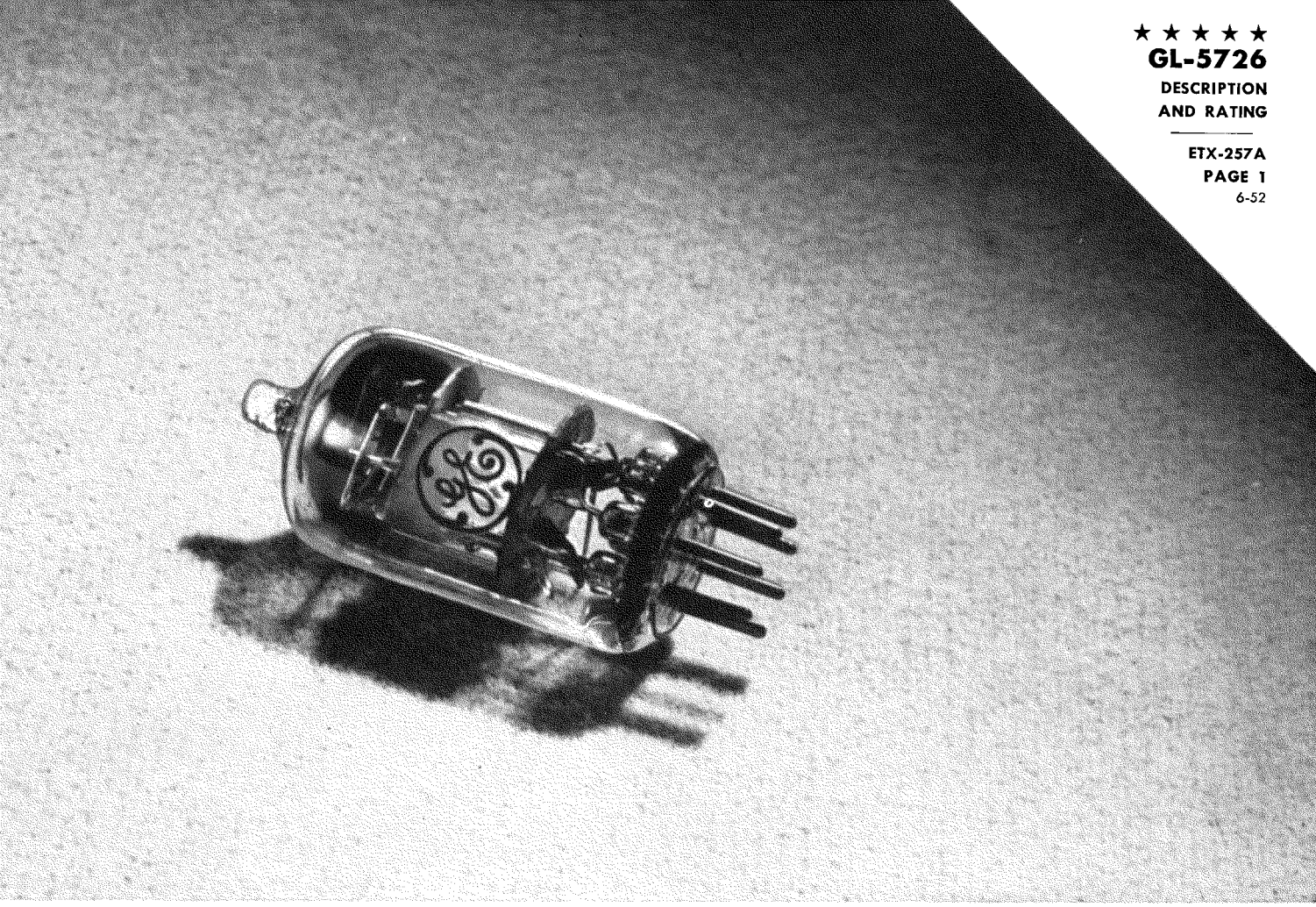


TWIN-DIODE

DESCRIPTION

The GL-5726 is a miniature double-diode designed for dependable operation under conditions encountered in mobile and aircraft service. The heaters for the two diode units are internally connected in series so that a heater failure makes both units inoperative and are designed to minimize the possibility of failure under severe intermittent on-off operation.

TECHNICAL INFORMATION

GENERAL

Electrical Data

Cathode—indirectly heated

Heater voltage	6.3	volts
Heater current	0.30	ampere
Direct interelectrode capacitances		
Plate to cathode (Section No. 1)*	3.2	uuf
Plate to cathode (Section No. 2)*	3.2	uuf
Cathode to plate (Section No. 1)§	3.9	uuf
Cathode to plate (Section No. 2)§	3.9	uuf
Plate (Section No. 1) to plate (Section No. 2)△	0.026 max	uuf

Mechanical Data

Mounting position—any
Envelope—T-5½ glass
Base—Miniature button 7-pin, E7-1

GE Electronic TUBE

GENERAL ELECTRIC

Supersedes ETX-257 dated 5-50

TECHNICAL INFORMATION (CONT'D)

MAXIMUM RATINGS Design Center Values

Peak inverse plate voltage	330	volts
Peak plate current, per plate	54	milliamperes
D-c output current, per plate	9	milliamperes
D-c heater-cathode voltage	330	volts

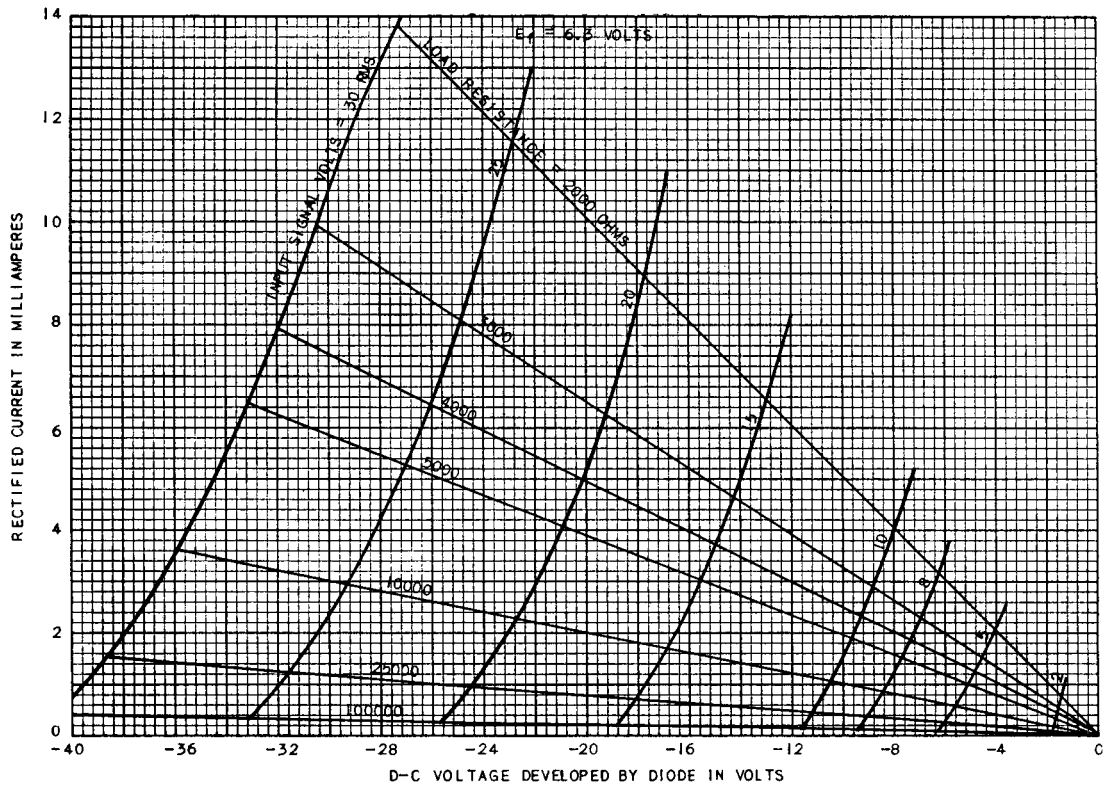
Typical Operation

Half-wave rectifier†

A-c plate voltage, per plate (RMS)	117	volts
Minimum total effective plate supply impedance, per plate	300	ohms
D-c output current, per plate	9	milliamperes
Heater cycles of intermittent operation‡, minimum	5000	cycles

*With JETEC Shield No. 313 connected to heater, internal shield, and cathode of unit under test.
§With JETEC Shield No. 313 connected to heater, internal shield, and plate of unit under test.
△With JETEC Shield No. 313 connected to ground.
†In half-wave service the two units can be used separately or in parallel.
‡The 5726 heater is designed to withstand at least 5000 cycles of intermittent operation at 7.5 volts.

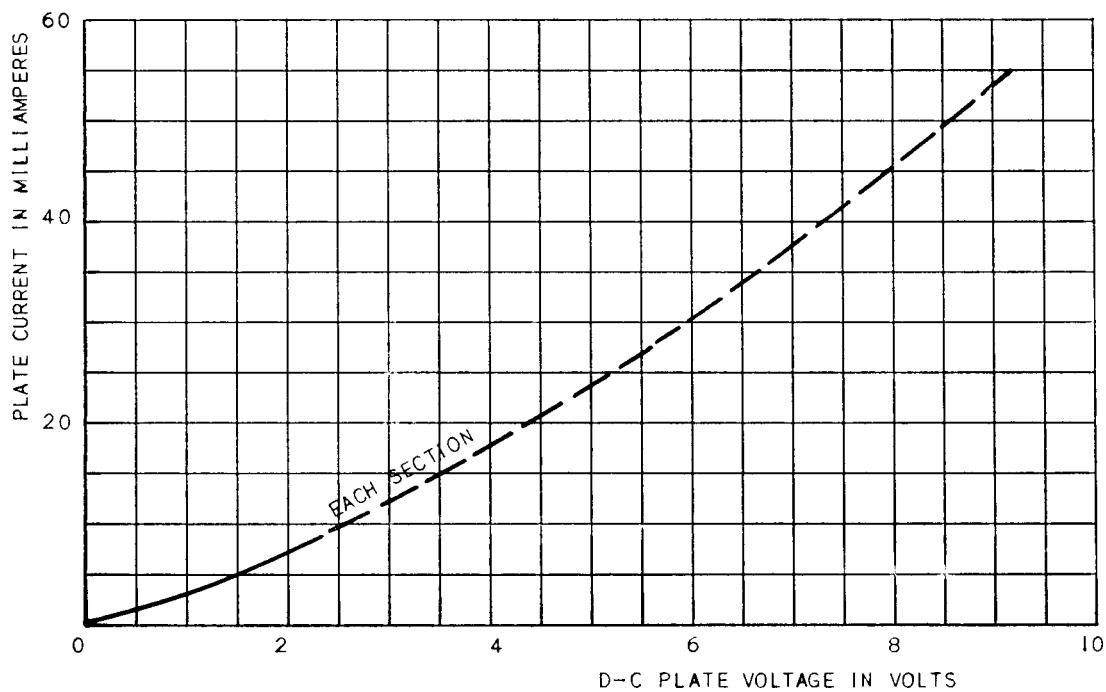
GL-5726
OPERATION CHARACTERISTICS
HALF-WAVE EACH SECTION
$E_f = 6.3$ VOLTS



K-69087-72A350

2-10-50

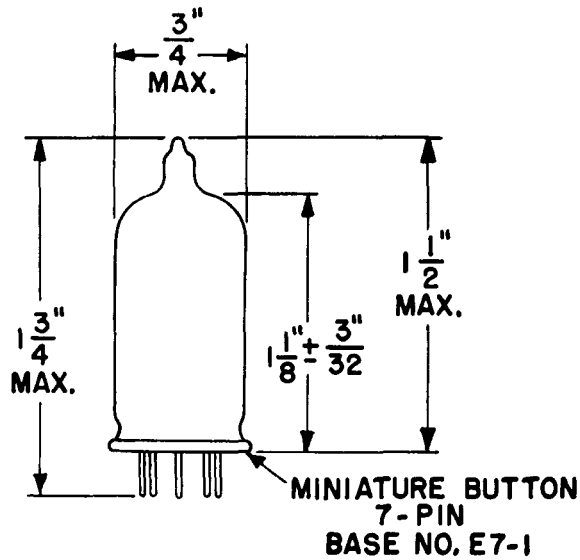
GL-5726
AVERAGE PLATE CHARACTERISTICS
$E_f = 6.3$ VOLTS



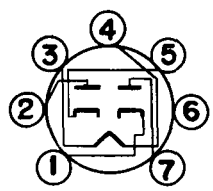
K-69087-72A351

2-10-50

OUTLINE
GL-5726



BASING DIAGRAM



6BT

PIN 1: CATHODE (SECTION NO. 1)
PIN 2: PLATE (SECTION NO. 2)
PIN 3: HEATER
PIN 4: HEATER
PIN 5: CATHODE (SECTION NO. 2)
PIN 6: INTERNAL SHIELD
PIN 7: PLATE (SECTION NO. 1)

N-15169AZ 2-10-50

Tube Department
GENERAL ELECTRIC
Schenectady, N. Y.