The Roger White type GNW-S18A, Model 2729, is a miniaturized system noise source specifically designed for pulsed operation in conjunction with automatic noise measuring equipments. It is equally suitable for CW operation.

**PERFORMANCE CHARACTERISTICS**

- Frequency Range - megacycles: 2700 - 2900
- Excess Noise Ratio - db: 18.5 ± 0.2
- Application: Single Ended
- Expected Life - hours: 5000

**ELECTRICAL SPECIFICATIONS**

- Filament Voltage - volts ac-dc: 6.3 ± 5%
- Filament Current - amperes ac - dc: 1.25
- Firing Voltage - volts: 600 maximum
- Operating Anode Voltage - volts positive: 27 ± 4
- Operating Current - dc milliamperes: 75 ± 5 ma
- VSWR (Fired): 1.8 max.

**ENVIRONMENTAL SPECIFICATIONS**

- Vibration: MIL-T-4807 Method 1A
- Drop: MIL-T-4807 Method 3A
- Environmental Temperature: MIL-T-5272A Procedure 1
- MIL-E-4158A, -54 to + 60°C non-operating
  -29 to + 60°C operating
- Test 45 PSI
- Operate at 30 PSI

**MECHANICAL OUTLINE**

See Reverse

from JETEC release #2080, Jan. 13, 1958
CONNECTIONS

PIN A HEATER
B GROUND
C HEATER - CATHODE - SHIELD

SYSTEM NOISE SOURCE
TYPE NO. GNW-S18A
MODEL 2729

ROGER WHITE ELECTRON DEVICES, INC.
FOURTH AVE.
HASKELL, NEW JERSEY

HD-5
5-1657

DRAFTSMAN
DATE
NAME

CHECKER
5-16

ENGINEER
5-21

EXAMINED

APPROVED

SCALE
1:2

LIST OF MATERIAL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON FRACTIONS . DECIMALS. ANGLES.
± 1/64 ± .005 ± 6° 30'

REQU. PART NO. DESCRIPTION

100074

DRAWING SIZE A PART NO. 100074

ZONE 5-16
SYL. 5-16
DESCRIPTION
THIS DWG. SUPERSEDES ITEM 1 OR RW-2713-1
DATE 5-16
APPROVED

REV. 5-16

MATERIAL

TREATMENT

FINISH

DWG. SIZE

REVISION