



TELEDYNE SEMICONDUCTOR

TS12AT7*

*NOTE: Patent Pending.

TS12AT7* Solid State Vacuum Tube Replacement

Features

- ZERO WARM-UP
- NO MICROPHONICS
- REDUCED HEAT RADIATION
- MECHANICALLY RUGGED
- TRUE CUTOFF WHEN USED AS SWITCH
- NO SCREEN GRID POWER
- SEMICONDUCTOR RELIABILITY
- LOW NOISE/DISTORTION
- DIRECT REPLACEMENT
- NO HEATER POWER
- INTERNALLY RF SHIELDED
- NO TRANSCONDUCTANCE DEGRADATION WITH TIME

Description

The TS12AT7 is a 9-pin miniature double triode in a metal hermetic sealed package. It is designed for direct replacement of the conventional glass vacuum tubes where greater reliability, stability, and performance are desired. It is used as push-pull cathode-drive amplifier or frequency converter in the FM range, multivibrators or oscillators in industrial control devices, phase inverters, clamp circuit, relay drivers, and other diversified applications. The low power consumption makes it ideal for mobile equipment tube replacement.

Maximum Ratings

Plate Voltage	250 Volts
Grid Voltage, Negative bias value	-50 Volts
Plate Dissipation	5.0 Watts
Peak Heater-Cathode Voltage	N/C
Maximum Grid Circuit Resistance	2.0 Megohms
Operating Temperature Range	-25°C to +125°C
Plate Current	30 mA

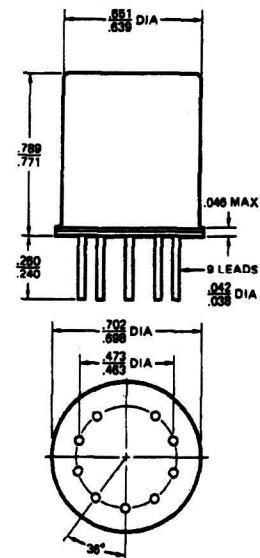
SIMILAR TS12AT7 FAMILY REPLACEMENT TYPES

12AU7, 6BC8, 6BQ7-A, 6CG7, 6J6, 7AU7, 9AU7, 8CG7, 12AV7, 6DT8, 6EV7, 12BZ7, 6201, 6679, 6189, 5814A, 6680, 6072, 396A, 407A, 407B, 12AX7, 12AZ7, 6BZ7, 6BZ8.

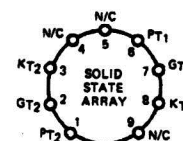
Foreign:

B152, B309, B739, ECC81, ECC82, E81CC, E82CC, ECC801, ECC801S, ECC802, ECC802S, ECC186, B329, B749, M8136, M8162, QB309, QA2406.

Physical Dimensions



Connection Diagram



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