



# TELEDYNE SEMICONDUCTOR

## TS6AM6\*

\*Note: Patent Pending

## TS6AM6\*

# Solid State Vacuum Tube Replacement

### Features

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

### Description

The TS6AM6 is a 7-pin miniature pentode 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. Application is primarily in Rf or If amplifiers/receivers especially in high-frequency wide-band applications up to 500 megahertz. It also excels in audio-frequency application exhibiting no microphonic noise and negligible 1/f noise. Low power consumption is ideal for mobile equipment tube replacement.

### Maximum Ratings

Plate Voltage	300 Volts
Grid - No. 2 (Screen-Grid) Voltage	N/C
Grid - No. 1 (Control-Grid) Voltage, Positive-bias value	0 Volts
Plate Dissipation	2.5 Watts
Screen Grid Dissipation	0 (N/C)
Heater-Cathode Voltage	N/C
Operating Temperature Range	-25°C to +125°C

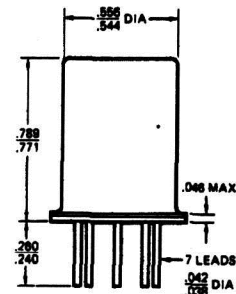
### SIMILAR TS6AM6 FAMILY REPLACEMENT TYPES

6AK5W, 5654, 6AG5, 6BC5, 6AU6, 12AU6, 7543, 6BH6, 6DT6-A, 12AW6, 3AU6, 3BC5, 3DT6, 4AU6, 4BC5, 408A, 403B, 415A, 6DC6, 403A, 6CE5, 1220, 5591, 6096, 6968, 6136, 6186, 6265, 6661, 7693, 6028.

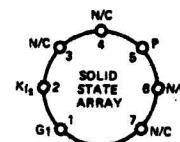
### Foreign:

6F32, DP61, E95F, EF905, EF96, EF94, 12F31, HF93, HF94, EF90F, EF95, M8100, M8180, PM05.

### Physical Dimensions



### Connection Diagram



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