



TELEDYNE SEMICONDUCTOR

TS6CB6A*

*Note: Patent Pending

TS6CB6A*

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 TS6CB6A 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 175 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 |

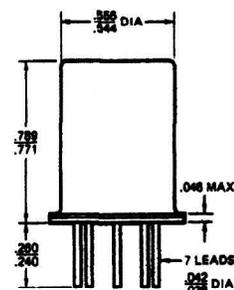
SIMILAR TS6CB6A FAMILY REPLACEMENT TYPES

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, 6AM6.

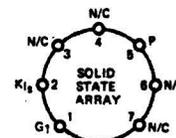
Foreign:

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

Physical Dimensions



Connection Diagram



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