

FETRON[®] Solid State Vacuum Tube Replacement

TS6AK5 Series

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 OR SCREEN GRID POWER
- NO TRANSCONDUCTANCE
- DEGRADATION WITH TIME

Description

The TS6AK5 Series is a 7-pin miniature pentode in a metal hermetic sealed package. It is designed for direct replacement of conventional glass vacuum tubes where greater reliability, stability, and performance are desired. It can be used in RF or IF amplifiers/receivers, and in high-frequency wide-band applications up to 200 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. Three types are available to meet differing applications.

Maximum Ratings

Plate Voltage	180 V
Grid - No. 2 (Screen-Grid) Voltage	N/C
Grid - No. 1 (Control-Grid) Voltage, Positive-bias value	0 V
Plate Dissipation	3.0 W
Screen Grid Dissipation	0 (N/C)
Plate Current	30 mA
Heater-Cathode Voltage	N/C
Operating Temperature Range	-25°C to +125°C

SIMILAR TS6AK5 FAMILY REPLACEMENT TYPES

6AG5, 6AK5W, 403A, 403B, 408A, 5591, 5654, 6028, 6096, 6186, 6968, 7543.

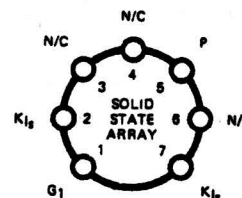
Foreign:

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

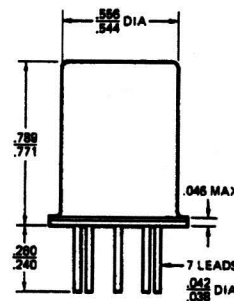
Other Available FETRONS

2D21, 6AL5, 6AM6, 6AU6, 6BC5, 6BH6, 6CB6, 6CE5, 6J6, 12AT7, 12AX7, 404A, 407A, 415A, 5590, 5670, 5847, 6688, 7721, E180F.

Connection Diagram



Physical Dimensions



TELEDYNE SEMICONDUCTOR

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