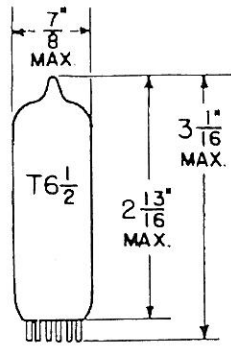


ELECTRO-HARMONIX 6CA4EH

FULL-WAVE RECTIFIER



GLASS BULB

6-4

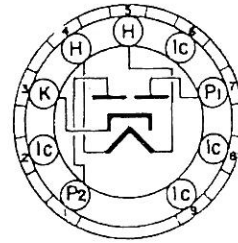
COATED UNIPOTENTIAL CATHODE

HEATER

6.3±10% VOLTS 1.0 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

SMALL BUTTON
9 PIN BASE

9M

THE 6CA4 IS A HEATER-CATHODE TWIN DIODE IN THE 9 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR FULL-WAVE RECTIFIER OPERATION, AND ESPECIALLY SUITABLE FOR COMPACT AMPLIFIER DESIGNS.

RATINGS

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

RECTIFIER SERVICE

| | | |
|---|---------------------|-------|
| MAXIMUM PEAK INVERSE PLATE VOLTAGE | 1200 | VOLTS |
| MAXIMUM AC PLATE-SUPPLY VOLTAGE PER PLATE | SEE RATING CHART #1 | |
| MAXIMUM STEADY STATE PEAK PLATE CURRENT PER PLATE | 500 | MA. |
| MAXIMUM TRANSIENT PEAK PLATE CURRENT PER PLATE, MAXIMUM DURATION 0.2 SECONDS | 1.85 | AMP. |
| MAXIMUM DC OUTPUT CURRENT | SEE RATING CHART #1 | |
| MAXIMUM HEATER-CATHODE VOLTAGE: HEATER NEGATIVE WITH RESPECT TO CATHODE | 500 | VOLTS |

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

FULL-WAVE RECTIFIER WITH CAPACITOR-INPUT FILTER

| | | | | |
|--|-----|-----|-----|-------|
| AC PLATE VOLTAGE PER PLATE, RMS | 250 | 300 | 350 | VOLTS |
| FILTER INPUT CAPACITOR | 50 | 50 | 50 | μf |
| TOTAL PLATE-SUPPLY RESISTANCE PER PLATE | 150 | 200 | 240 | OHMS |
| DC OUTPUT CURRENT | 150 | 150 | 150 | MA. |
| DC OUTPUT VOLTAGE AT FILTER INPUT | 245 | 293 | 347 | VOLTS |
| TUBE VOLTAGE DROP I _b = 150 MA. DC PER PLATE | | | 20 | VOLTS |