

# 12X4

## Full-Wave Vacuum Rectifier

*The 12X4 is the same as the 6X4 except for the following items:*

Heater Characteristics and Ratings:

|                                                           |       |       |
|-----------------------------------------------------------|-------|-------|
| Current. . . . .                                          | 0.300 | amp   |
| Voltage (AC or DC) at heater<br>amperes = 0.300 . . . . . | 12.6  | volts |

# 13CW4

## High-Mu Triode

NUVISTOR TYPE

For Use as Grounded-Cathode, Neutralized RF-Amplifier  
Tube in Tuners of VHF Television and FM Receivers

*The 13CW4 is the same as the 6CW4 except for the following items:*

Heater Characteristics and Ratings:

|                                                           |       |       |
|-----------------------------------------------------------|-------|-------|
| Current. . . . .                                          | 0.060 | amp   |
| Voltage (AC or DC) at heater<br>amperes = 0.060 . . . . . | 13.5  | volts |

# 13DE7

## Dual Triode

### With Medium-Mu Unit and Low-Mu Unit

9-PIN MINIATURE TYPE

*The 13DE7 is the same as the 6DE7 except for the following items:*

Heater Characteristics and Ratings:

|                                                           |               |       |
|-----------------------------------------------------------|---------------|-------|
| Current. . . . .                                          | 0.450 ± 0.030 | amp   |
| Voltage (AC or DC) at heater<br>amperes = 0.450 . . . . . | 13.0          | volts |
| Warm-up time (Average) . . . . .                          | 11            | sec   |

