

4EJ7

Sharp-Cutoff Pentode

9-PIN MINIATURE TYPE

The 4EJ7 is the same as the 6EJ7 except for the following items:

Heater Characteristics and Ratings (*Design-Center Values*):

Current	0.450 ± 0.030	amp
Voltage (AC or DC) at heater amperes = 0.450	4.4	volts

4ES8

Variable-Mu Twin Triode

9-PIN MINIATURE TYPE

With Heater Having Controlled Warm-Up Time

The 4ES8 is the same as the 6ES8 except for the following items:

Heater Characteristics and Ratings (*Design-Center Values*):

Current	0.600 ± 0.040	amp
Voltage (AC or DC) at heater amperes = 0.600	4	volts
Warm-up time (Average).	11	sec

4EW6

Sharp-Cutoff Pentode

7-PIN MINIATURE TYPE

With Heater Having Controlled Warm-Up Time

The 4EW6 is the same as the 6EW6 except for the following items:

Heater Characteristics and Ratings (*Design-Maximum Values*):

Current	0.600 ± 0.040	amp
Voltage (AC or DC) at heater amperes = 0.600	4.2	volts
Warm-up time (Average).	11	sec

