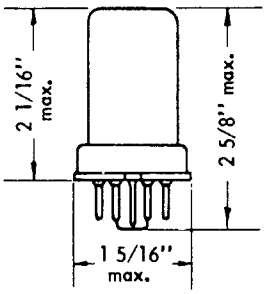
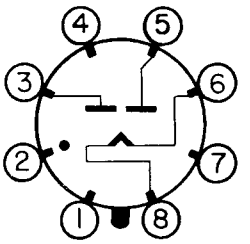
Excellence in Electronics

TYPE CK1005

The CK1005 is a gas filled, full-wave rectifier with an ionic heated cathode designed to work on storage batteries with the vibrator supplying the filament power. The tube may also be used as a cold-cathode rectifier on ac/dc lines having 100 to 130 volts provided that the filament is heated to start the tube.





BOTTOM VIEW

5AQ

MECHANICAL DATA

ENVELOPE: MT-8 Metal

BASE: Small-Wafer Octal 8-Pin

TERMINAL CONNECTIONS:

Pin 1 Shield	Pin 5 Plate-Left
Pin 2 No Connection	Pin 6 Filament
Pin 3 Plate-Right	Pin 7 No Connection
Pin 4 No Connection	Pin 8 Filament

MOUNTING POSITION: Any

ELECTRICAL DATA

RATINGS - FULL-WAVE RECTIFIER - CONDENSER INPUT: ■

	Cond. 1▲		Cond. 2 ♦	
Filament Voltage (ac or dc) ●	4.0	6.3	11.0	volts
Nominal Filament Current	0.08	0.05	0.125	amps.
Maximum Peak Voltage per Plate	225	225	225	volts
Maximum Peak Inverse Voltage	450	450	450	volts
Average Dynamic Voltage Drop	20	20	20	volts
Maximum DC Output Current	70	70	70	ma.
Minimum DC Output Current	15	0	30	ma.
Minimum Starting Peak Voltage	175	125	100	volts
Maximum Steady Peak Plate Current per plate	210	210	210	ma.

■ *For interpretation of ratings, see RMA Standards for storage battery operation.*

▲ *Cond. applies when filament is heated during operation.*

♦ *Cond. 2 applies when filament is heated only for starting.*

● *When used in full-wave vibrator operation with the filament heated from the transformer, the filament should be poled so that the end next to the corresponding plate should be in phase with the plate voltage when a center-tap is used.*