



*Excellence in Electronics*

**TYPE  
CK1007**

The CK1007 is a full-wave gas-filled rectifier with an ionically or directly heater emitter designed for use in vibrator type power supplies where a relatively high current and voltage are desired to supply the requirements of transmitters, receivers or other equipment.

**MECHANICAL DATA**

ENVELOPE: MT-8 Metal

BASE: Small wafer octal 5-Pin

TERMINAL CONNECTIONS:

- Pin 1 Shield
- Pin 3 Plate, Right
- Pin 5 Plate, Left
- Pin 7 Filament
- Pin 8 Filament

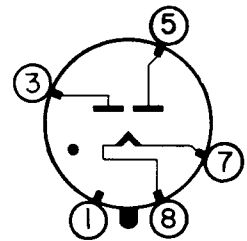
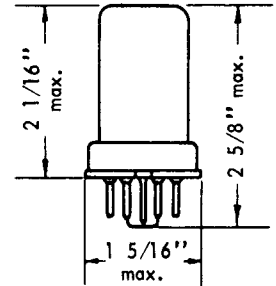
MOUNTING POSITION: Any

**ELECTRICAL DATA**

RATINGS - FULL WAVE RECTIFIER (Condenser Input):

	Cond. 1 ●		Cond. 2 ■	
	(A)	(B)	(A)	(B)
Filament Voltage (ac or dc)	1.0	0	1.0	0 volts
Nominal Heater Current	1.2	0	1.2	0 amps.
Abs. Min. DC Output Current (per tube)	10	30	0	30 ma.
Maximum DC Output Current (per tube)	110	110	85	85 ma.
Maximum Peak Anode Current (per tube)	330	330	510	510 ma.
Abs. Min. Peak Starting Voltage (Full Wave)	170	340	170	340 volts
Average Dynamic Voltage Drop	24	24	24	24 volts
Max. Peak Inverse Voltage	980	980	1200	1200 volts
Max. Peak Anode Voltage	490	490	600	600 volts

- Cond. 1 (A) applies to single tube operation when filament is heated.  
Cond. 1 (B) applies to single tube operation with no heater supply required.
- Cond. 2 (A) applies to resistance-parallel operation when filament is heated.  
Cond. 2 (B) applies to resistance-parallel operation when no heater supply is required.



BOTTOM VIEW

Tentative Data

**RAYTHEON MANUFACTURING COMPANY**  
RECEIVING AND CATHODE RAY TUBE OPERATIONS