

TUNG-SOL

DIODE

MINIATURE TYPE

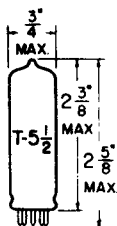
COATED UNIPOTENTIAL CATHODE

HEATER

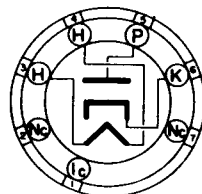
117 VOLTS 40 MA.

AC OR DC

ANY MOUNTING POSITION

NOTE: DO NOT USE PIN #1 ON
SOCKET AS TIE POST.

GLASS BULB

BOTTOM VIEW
MINIATURE BUTTON
7 PIN BASE

THE 117Z3 IS A MINIATURE CATHODE-TYPE, CLOSE-SPACED HALF-WAVE RECTIFIER DESIGNED FOR SERVICE IN THREE-WAY PORTABLE RECEIVERS. THE 117 VOLT HEATER PERMITS DIRECT, ACROSS THE LINE, HEATER OPERATION WITHOUT NEED FOR A DROPPING RESISTOR.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER VOLTAGE	117	VOLTS	←
MAXIMUM DC HEATER-CATHODE VOLTAGE			
CATHODE POSITIVE	175	VOLTS	
CATHODE NEGATIVE	100	VOLTS	
MAXIMUM AC PLATE VOLTAGE [RMS]	117	VOLTS	←
MAXIMUM PEAK INVERSE VOLTAGE	330	VOLTS	
MAXIMUM STEADY-STATE PEAK PLATE CURRENT	540	MA.	
MAXIMUM STEADY-STATE DC OUTPUT CURRENT	90	MA.	
MAXIMUM TRANSIENT PEAK PLATE CURRENT	2.5	AMP.	←
TUBE VOLTAGE DROP; MEASURED WITH TUBE CONDUCTING 180 MA. PLATE CURRENT	22.5	VOLTS	

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HALF-WAVE RECTIFIER

HEATER VOLTAGE	117	VOLTS	
HEATER CURRENT	40	MA.	
AC PLATE SUPPLY VOLTAGE (RMS)	117	VOLTS	
DC OUTPUT VOLTAGE	110	VOLTS	←
DC OUTPUT CURRENT	90	MA.	
EFFECTIVE PLATE SUPPLY IMPEDANCE	20	OHMS	←
INPUT CONDENSER	30	μf	←

SIMILAR TYPE REFERENCE: Same general characteristics as type 117Z4GT; somewhat similar to the rectifier unit of type 70L7GT.

← INDICATES A CHANGE OR ADDITION.

