

6663/6AL5 TWIN DIODE



7-PIN MINIATURE TYPE

For use in mobile communications equipment

GENERAL	DATA								
Electrical:									
Heater, for Unipotential Cathode Voltage 6.3 Current at 6.3 volts 0.3 Direct Interelectrode Capacitance	3 ± 20%* .	ac or dc	volts amp						
	Without External Shield								
Plate to cathode, internal shield, and heater (Each unit)	2.5	3.2	μμ						
unit)	3.4	3.6	щf						
Plate of unit No.1 to plate of unit No.2	0.068 max.	0.026 max.	_{ДД}						
Mechanical:									
Operating Position	ccluding ti		3/32" 0.750" ction 5-1/2 E7-1) . 6BT e of lo.2						
Pin 3- Heater Pin 4- Heater		Pin 7-Plate o Unit N							
RECTIFIER									
Values are for Each Unit									
Maximum Ratings, Design-Haximum		075	, .						
PEAK INVERSE PLATE VOLTAGE PEAK PLATE CURRENT PEAK PLATE CURRENT (For pulse du		. 275 max. . 60 max.	volts ma						
of 0.1 second maximum) DC PLATE CURRENT PEAK HEATER-CATHODE VOLTAGE:		. 350 max. . 10 max.	ma ma						
Heater negative with respect t Heater positive with respect t	o cathode o cathode	. 275 max. . 100 max.	volts volts						





Characteristics:

Heater Voltage.								6.3	volts
Plate Voltage .								10	volts
Plate Current .								60	ma

when the heater is operated from storage-battery-with-charger supply or similar supplies, the normal battery-voltage fluctuation may be as muchas 35 per cent or more. Although such variation in heater voltage is permissible for short periods, reliability can be increased with improved supply-voltage regulation.

SPECIAL RATINGS & PERFORMANCE DATA

Heater-Cycling Life Performance:

This test is performed on a sample lot of tubes from each production run. A minimum of 2000 cycles of intermittent operation is applied under the following conditions: heater volts = 7.5 cycled one minute on and one minute off, heater 135 volts positive with respect to cathode, and all other elements connected to ground. At the end of this test, tubes are checked for heater-cathode shorts and open circuits.

with external shield JEDEC No.316 connected to pin 6.