

**Socket 7**
**0C3**
**VR105**
**Voltage Stabilizer Tube**

**033**
➔
These cards are ONLY for use in the jacmusic company. No external use is intended.
**v53**

**- Volt tnz**

**Set up 1** Set Ua to 100Volt and insert tube.

**Set up 2** Slowly increase Ua, until Ignition at appr 127V. In total darkness, ignition voltage is higher.

**Set up 3** After ignition, set current to 20mA to warm up. After 5 minutes initial precision is reached.

**Set up 4** Highest precision is reached after 30 minutes.

**Set up 5** Some ambient light is needed for this test. In full darkness, such tubes do not trigger well.

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Set	Full Scale	Value	15 Scale	Read	Full Scale	Bad	Good	Ideal	Max
Uh	tnz	-	-	la	mA	75	<5	>5	23,0
-	-	-	-	-	-	-	-	-	-
Ua	150	100	10,0	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-

**Stabi**

**Result 1** From 5...40mA, Voltage may change 105...112V, but not change more than 4 Volt for one tube.

**Result 2** Average value: 105V@5mA, or 107V @ 23mA

**Result 3** 0G3 is a regulator, no voltage reference. So, la may be variable, but Ua may change very little.

**Result 4** Do not break the glass! Some brands contain poisonous or radio active gas.

**Source** RCA, Tung-Sol, Amperex.

**14.03.2021**

**Order Number: 380-033-38**
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**Socket 17**
**10, 10Y**
**VT25 Thoriated Tungsten only.**
**Adjustable Bias**

**092**
➔
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**v53**

**7,5 Volt DC**

**Set up 1** BEFORE testing, read Website Instructions on JACMUSIC website.

**Set up 2** Uh-main and Ua to left, center Uh-fine, and Ug1 right. Adjust in this order: Uh-main, Uh-fine, Ua, Ug1

**Set up 3** Do not test VT25 by WE, or any VT25A with this card.

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Set	Full Scale	Value	15 Scale	Read	Full Scale	Bad	Good	Ideal	Max
Uh	15	7,5	7,5	la	mA	15	<6	>7	10,0
Ug1(65)	-30	-18,5	9,3	S	mA/V	3	<0,8	>0,9	1,3
Ua	300	250	12,5	Ig1	uA	3	>1	0,0	0,1
-	-	-	-	-	-	-	-	-	-

**Result 1**
For Gm Test, and Leakage Test, set la to "ideal" anode current, by changing Ug1
**14.03.2021**

**Source**
RCA Data specifies -5V less grid, if DC heated. So -18,5V instead of -23.5V.

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