
Subject: Power Amp

Posted by [cathode_ray](#) on Fri, 06 Feb 2009 15:57:14 GMT

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I have a "X" power amp circa 1978/79 130 watts per side. Been a good one and I'd like to repair. Has an unidentified transistor(RCA) can type. Only one per channel... Anybody have acces to a schematic? On I.D. on that transistor? Thanx much!

Subject: Re: Power Amp

Posted by [stevem](#) on Fri, 06 Feb 2009 17:13:51 GMT

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Welcome to the board!

I have never seen the guts of that model, but if you mean by can type that the round head section is about the size of a quater and its held down by two screws, than it is the common TO-3 type transistor and is probibly the common 2n3055, but for 130 watts it should have 4 outputs. Can you post any pictures?

Subject: Re: Power Amp

Posted by [cathode_ray](#) on Fri, 06 Feb 2009 23:40:56 GMT

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Thanks for reply.

Not a power device,only 1 per channel, 1/4" diameter can. Typical trans... Mounted on the leads one of which has broken Says RCA and the only #'s are 7718. Board says PC5065. I'll see if I can get a photo with some detail.

Subject: Re: Power Amp

Posted by [C4ster](#) on Sat, 07 Feb 2009 07:11:48 GMT

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Hi,

Welcome. I have no working knowledge of that amp, but your screen name is absolutely, without a doubt, the best screen name I have ever seen. Period!! Finito!!!!

Conrad

Subject: Re: Power Amp

Posted by [cathode_ray](#) on Sat, 07 Feb 2009 14:57:28 GMT

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Thanx. The character was embodied one night when a meek and otherwise softspoken wanna be

musician was building a tube guitar amp - and touched the B+ ...
ZAPPO ! In a sudden flow of eloquent(if profane) oratory, Cathode_ray was born!

Subject: Re: Power Amp
Posted by [chicagobill](#) on Sat, 07 Feb 2009 17:05:09 GMT
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Well if that's the case I've been a member of your club for years now, and I've got the scars to prove it!

The PC5065 board is the power amp board used in the 250 metal front series. If I remember correctly, the only TO-39 can type transistor is the pre-driver Q3. The TO-39 drivers are the ones pre-mounted to the rectangular heat sinks.

If I'm right, Q3's part number is 38735/007-0002-00, which I think is an RCA 40408. I don't have a copy of the cross reference handy, but if you search the old posts there's a list of Kustom parts with standard equivalents.

Subject: Re: Power Amp
Posted by [Optyk](#) on Sun, 08 Feb 2009 15:27:54 GMT
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Great timing. Just yesterday, I was sorting out a bunch of stuff I had saved on my computer and just happened to run across a list of semiconductors used on Kustom amps. So to save him some digging, here it is:

KEI Part No. / Marking / Std. No. / Description
007-0000-00 / 36892 / 2N3055 / nte130 / NPN Output Trans
007-0002-00 / 36735 / 40408 / nte190 / NPN Transistor
007-0005-00 / 2N3567 / nte123 / NPN Transistor
007-0006-00 / 2N3638 / nte129 / PNP Transistor
007-0007-00 / 2N3565 / nte123A / NPN Transistor
007-0008-00 / SE4002/PET8002/nte123 / NPN Transistor
007-0009-00 / 2N4249 / nte159 / PNP Transistor
007-0011-00 / 38736 / 40409 / nte128 / NPN Driver Trans
007-0012-00 / 38737 / 40410 / nte129 / PNP Driver Trans
007-0014-00 / 2N5033 / P-Chan JFET
007-0024-00 / 40841 / nte221 / N-Chan MOSFET

007-6004-00 / FD111 / nte177 / Silicon Diode
007-6005-00 / 1N3193 / nte116 / Silicon Diode
007-6006-00 / 1N3754 / nte5801 / Silicon Diode
007-6016-00 / Silicon Diode
007-6020-00 / 1N270 / nte109 / Germanium Diode
007-5349-00 / 1N5349 / nte5127A / 12v 5w Zener Diode

007-7015-00 / uA739 / XR4739/nte725 / 14 pin DIP Dual Op-Amp
007-7023-00 / 5558 / RC4558/nte778A / 8 pin DIP Dual Op-Amp
007-7041-00 / 80848 / LM3080T / Transconductance Amp

If you copy it into a word processing document and change the font to Courier, it all lines up pretty well.

Don't thank me for this, I didn't compile it. Thanks go to ChicagoBill for his efforts

Rod

Subject: Re: Power Amp
Posted by [steven](#) on Mon, 09 Feb 2009 11:34:36 GMT
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I too carry the scars of many B+ hits, that latest little burn make that just when away was from the 760 volts in a Highwatt 200 model. I do not know if its the shock or the distruction to you hand or fingers that takes place when you rip them out of a tight chassie at sonic speed!
