Fred LaMarche

From: Sent:

Vince Slyngstad [v.slyngstad@verizon.net] Monday, December 13, 2004 10:26 AM

To:

Fred LaMarche

Subject:

Re:

> I'm sorry this reply has taken so long, but we didn't have this information

> in our data system. We did find old style drawings for one of the two parts

parts > about which you inquired. That is part number T-2037 (BH Part Number > 500-0587 -- DEC drawing number 16-05794-05.) The other part is apparently

> lost to us. We cannot cross reference the number marked on the part as

> number isn't actually the DEC drawing number and is not listed on any of our

> paperwork.

That is great news about the T-2037!

If it is of any help to you, the T-2052 was used in the same DEC assembly. The drawing I have (for the G228 inhibit driver assembly) is labelled B-CS-G228-0-1, and is dated 4-4-67.

> During the period in question we built many different parts for > DEC and most of them look physically the same except for the markings.

> were custom parts and would be very expensive to duplicate today. If you

> need only a small quantity of this part, I suggest looking for a moder

> device that is electrically similar. Re-engineering this item with modern

> materials would be cost prohibitive in small quantities.

I suspect you are right, unless it is possible to wind a few dozen similar toroids by hand or something. The objective here is to repair and enhance a few collectibles, so that kind of handwork may make sense. The ideal thing would be to find a pointer to something modern that is close enough to work. And the problem with that, has been that we don't know enough about these parts to know what to look for.

> If you need a copy

> of the drawing for the T-2037, please respond with your address and I will

> mail it to you. I don't think that fax or e-mail will yeild enough

> resolution to make it useful.

Sure:

Vincent Slyngstad

Thanks for your help!

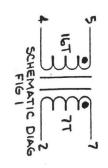
Vince

No virus found in this incoming message. Checked by AVG Anti-Virus. Version: 7.0.296 / Virus Database: 265.5.1 - Release Date: 12/13/2004

- 1.0 ELECTRICAL REQUIREMENTS
- 1.1 Turns ratio: 16:7
- 1.2 Interwinding capacitance: 18.0pf (max) between 2 & 7 shorted and 4 & 5 shorted.
- LEARAGE INDUCTANCE: 2.0 4/ MAX.
- 1.4 ET: 5.0 VOLT ASEC MIN.

1.5 INOUCTANCE: PRIMARY - 2204kt 20% Secondary - 434kt 20%

IR: 10xMEGO @ 10010C.



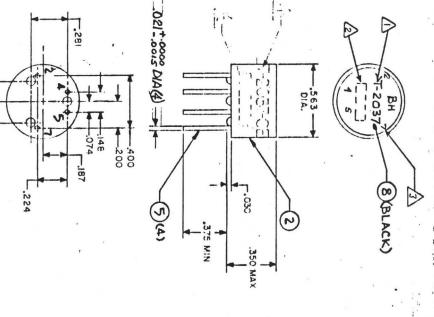
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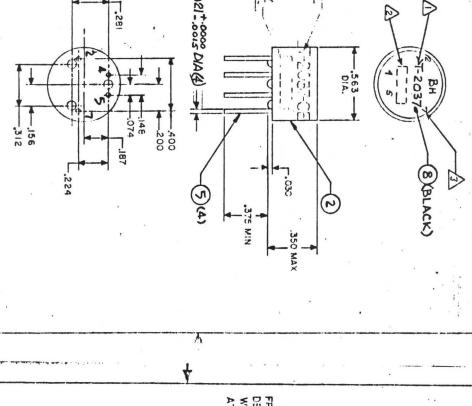
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2.0

WAVEFORM REQUIREMENTS



ES:

MARK PART NO AS SHOWN

, USING ITEM (9) (WHITE EPOXY INK), AND (1)

USING ITEM (9), AND (11)

TERMINAL DESIGNATIONS TO APPEAR MARK DATE CODE, IN POSITION SHOWN,

ON PART

DING LAE IN INCHES TOLERANCES

P

084.50

500-0587

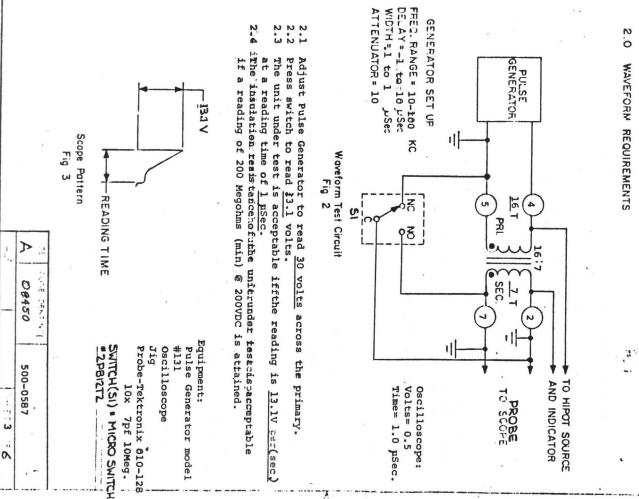
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Dolphs ER-41		Spray	814-0053					ЯA	L
Dalpha cc-1015		Vinyl, Clear	\$14-010¢					ЯA	9
Stewart Stamping, CE-1		Pin. Domed. 24 Awg. X 1.75	810-0205	AE		24		Þ	S
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Ind. Gen. CF102-T1		Core, Ferrite Toroid	₱100-TSL	EA				ī	τ
NOTES/REF. NO.	NO	NOMENCLATURE/DESCRIPT	равт ијмвек	UNIT OF ZA 3M					ITEM NO.
MEET 6 0F 6 REV.		OZ = OUNCES (LIQ BWT)	EA=EACH		REGD.	YTIT	NAUP	1	NO.
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TOP
GREEN
TOP
FIG. 4 BOTTOM GREEN

POLARITY AND CONNECTION DIAGRAM
FIG. 4 (TOP VIEW)

A.I PARYLENE CORE OR, AS ALL ONLY.

PARYLEWE CORE OR AS ALTOWN/ (spray)

Coat all of (core) using () (spray)

CRADE CORES TO .75 TO 1.125 ... H/T ON 130 LC HETER

Insert (5) (pins) into (2) (Cup) leaving % exposed. Hold bottom of leads together and solder dip for handling purposes.

Insert (5) (pins) into (2) (cup) leaving %" exposed. Hold bottom of leads together and solder dip for handling purposes.

Unifilar wind 16:turms, (4) (1#33 Green) hapacedcevenly for 3600 effact. The attention to the but and like spect.

4.3

4.1.1

4.4 Unifilar wind 7 turns (3) (#33 Red) evenly spaced for \$40° arc windings start at same location but end 120° apart)

5 Verify no. of turns each windingper ES-0008

4.6 Dip heated coil in vinyl using ((clear vinyl)

4.7 Strip insulation from leads.

Terminate coil to pins per Fig. 4

4.8

Solder dip leads using (10) (solder)

Inspect for proper termination and reliable solder joints.

Position coil in bottom of cup.

Encapsulate per ES-0003 using (E) (epoxy) USE CASTALL 105 For

4.10 4.11 4.12

3 Trim leads for electrical test.

Test per sheets 2 & 3.

4.14

4.15 Trim lead to final dimension shown in 3.0 mechanical requirements.

| SIZE | CODE IDENT NO. | A | REV | SCALE | SHEET 5 OF 6

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