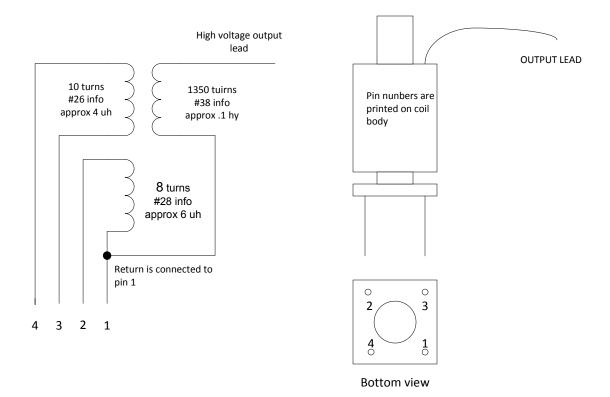


# HIGH VOLTAGE HIGH FREQUENCY MINIATURE FERRITE TRANSFORMERS

			Operating		
<u>Page</u>	<u>Item</u>	<u>Output</u>	<u>Frequency</u>		
2	28K077	2kv 10ma	20-100kHz		
3	28K077 as us	sed in plasma	light saber schematic		
4	28K077 as used in power supply schematic				
5	28K074	4kv 15ma	20-100kHz		
6	28K074 spec	ifications			
7	28K074 as used in low power electro-kinetic gun				
0.44	201/202	71:: 40:	20.400141-		
8-11	28K089	7kv 10ma	20-100kHz		
9	28K089 specifications				
10	28K089 as used in neon power supply schematic				
11	28K089 as used in HV (35kV) power supply schematic				

See our website <a href="www.amazing1.com">www.amazing1.com</a> for current pricing and availability, or contact us for any larger volume quotes.

## 28K077 Spec Sheet Information Unlimited



Insulate the secondary output winding for 6000 vac

Windings connected to the indicated pins

Contact us for volume requirements

Information Unlimited www.amazing1.com Email: tech@amazing1.com

Tel: 603 673 4730

#### Fig 21-1 Plasma light saber schematic

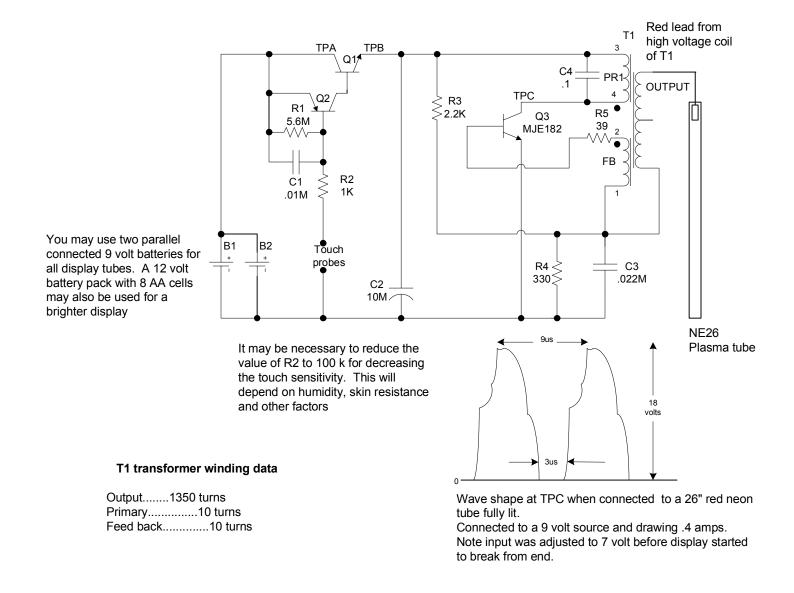
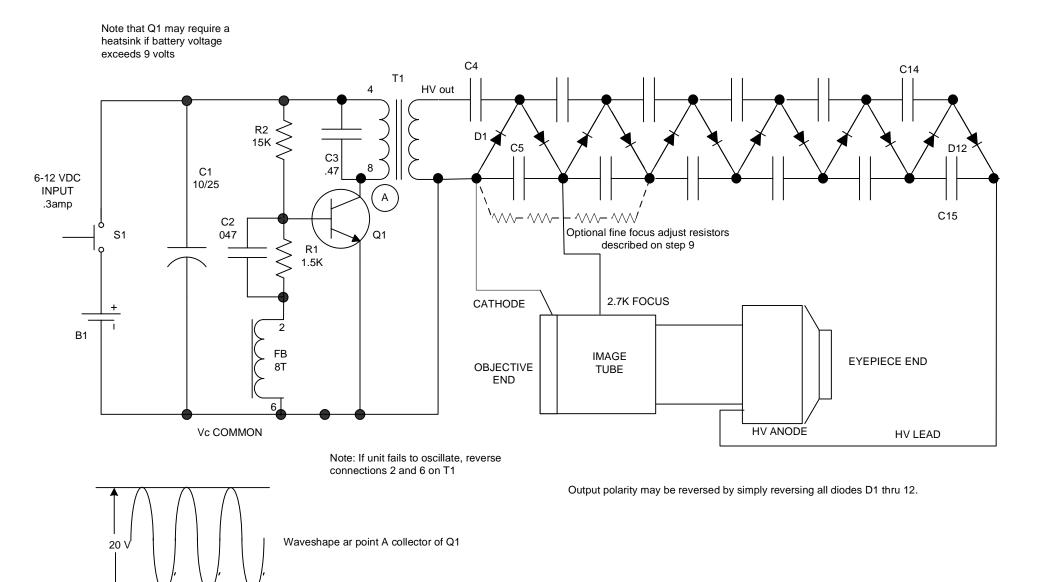
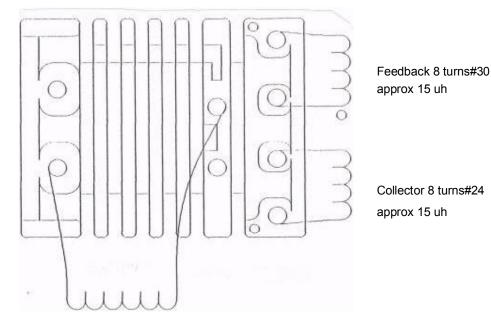


Fig 23-1 Power supply Schematic

<del>√</del>5 us



# Transformer #28K074 Specifications



Output 1350 turns #38 approx .5 hy

Secondary insulated for 6 kv

Connect windings to the indicated pins

Gap core at 6 mils

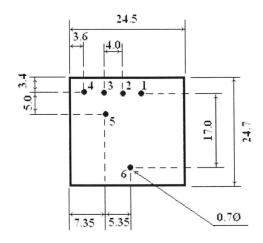
Open core and coil

These transformers are available to the OEM (original equipment manufacturer) for production pricing schedules. Contact us at tech@amazing1.com for more information

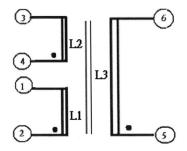
Information Unlimited PO Box 716 Amherst N.H. 03031 U.S.A. www.amazing1.com tech@amazing1.com 603 673 4730 Fax 603 672 5406

## **SPECIFICATION**

### 1. DIEMENSION



#### 2. SCHEMATIC



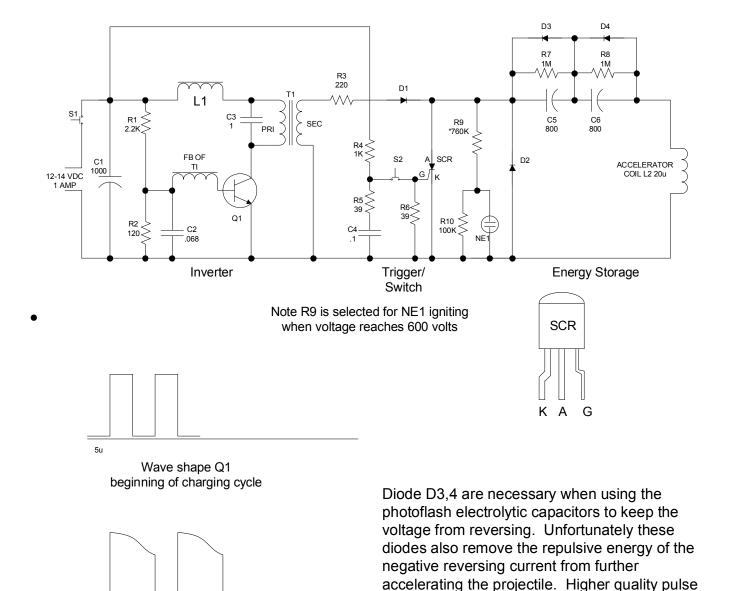
#### 3. SPECIFICATION

MEAST. ITEM	DATA	TEST INSTRUMENT/CONDITION
INDUCTANCE L1	11.5uH ± 15%	LCR METER (1KHz)
INDUCTANCE L2	12.0uH ±15%	LCR METER (1KHz)
INDUCTANCE L3	260mH ±15%	LCR METER (1KHz)
RESISTANCE L1	160mΩ ±15%	LCR METER (1KHz)
RESISTANCE L2	230m Ω ±15%	LCR METER (1KHz)
RESISTANCE L3	186Ω ±15%	LCR METER (1KHz)
L1 · L2 TO L3	3KVAC/1mA/1MIN.	INSULATION/PUNCHER/TESTER

	APPROVAL	CHECKED	WRITTER
Information Unlimited			

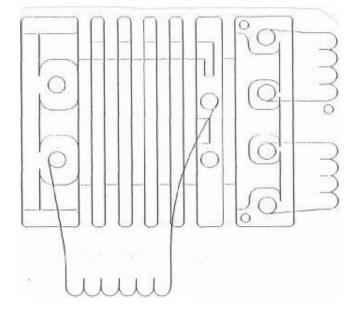
Fig 1 Low power electro-kinetic gun

Wave shape Q1 end of charging cycle



discharge capacitors could be used without the diodes but would be larger and more costly.

## Transformer #28K089 Specifications



Feedback 8 turns#30 approx 12 uh

Collector 9 turns#24 approx 15 uh

Output 2500 turns #40 approx 1.1 hy

Secondary insulated for 9 kv

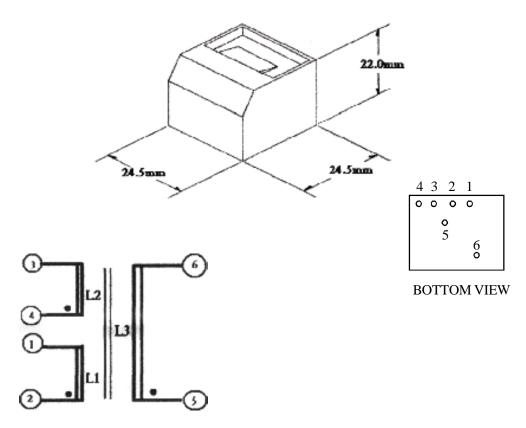
Connect windings to the indicated pins

Gap core at 6 mils

Assembly potted into a 24.5 x 24.5 x 22 mm plastic cup with pins

These transformers are available to the OEM (original equipment manufacturer) for production pricing schedules. Contact us at tech@amazing1.com for more information

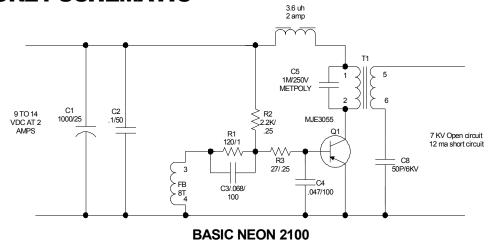
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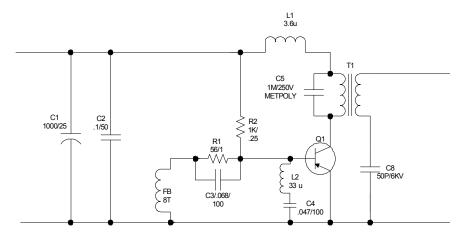


MEAST. ITEM	DATA	TEST INSTRUMENT/CONDITION
INDUCTANCE L1	19.0uH ±15%	LCR METER (1KHz )
INDUCTANCE L2	15.6uH ±15%	LCR METER (1KHz)
INDUCTANCE L3	1.0H ±15%	LCR METER ( I KHz )
RESISTANCE LI	0.1200 ±15%	LCR METER (1KHz )
RESISTANCE L2	0.2100 ±15%	LCR METER (1KHz)
RESISTANCE L3	8100 ±15%	LCR METER (1 KHz)
L 1 • L2 TO L3	3KVAC/ 1 mA / 1 MIN.	INSULATION/PUNCHER/TESTER

#### **NEON21 SCHEMATIC**

NEON21SCH-601





REVISED NEON2100 WITH CURRENT FEED CHOKE AND FILTER FOR HEAVIER LOADS

