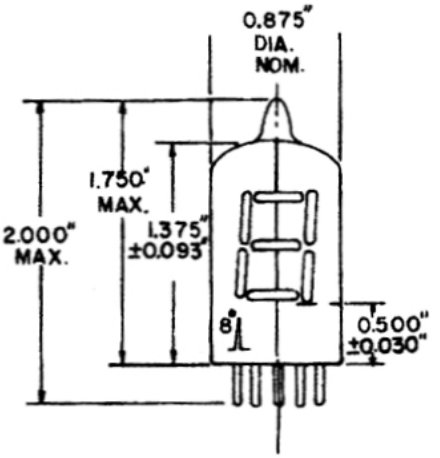
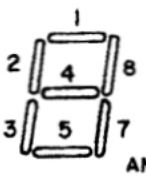
ARCHER

SEVEN SEGMENT DIGITAL FLUORESCENT DISPLAY

TYPE Y-1938/Y-1939—CATALOG #276-049

The Archer readout tube provides a bright, sharp display of numerals at low drive and power levels at a very fast speed. Numbers are displayed by excitation of phosphor-screened segments, which are energized by electrons emitted by a directly heated cathode.



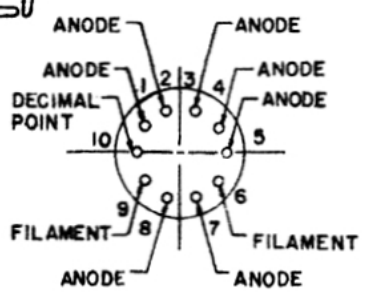


CHARACTER SIZE:
HEIGHT — 0.57
WIDTH — 0.36

FEATURES

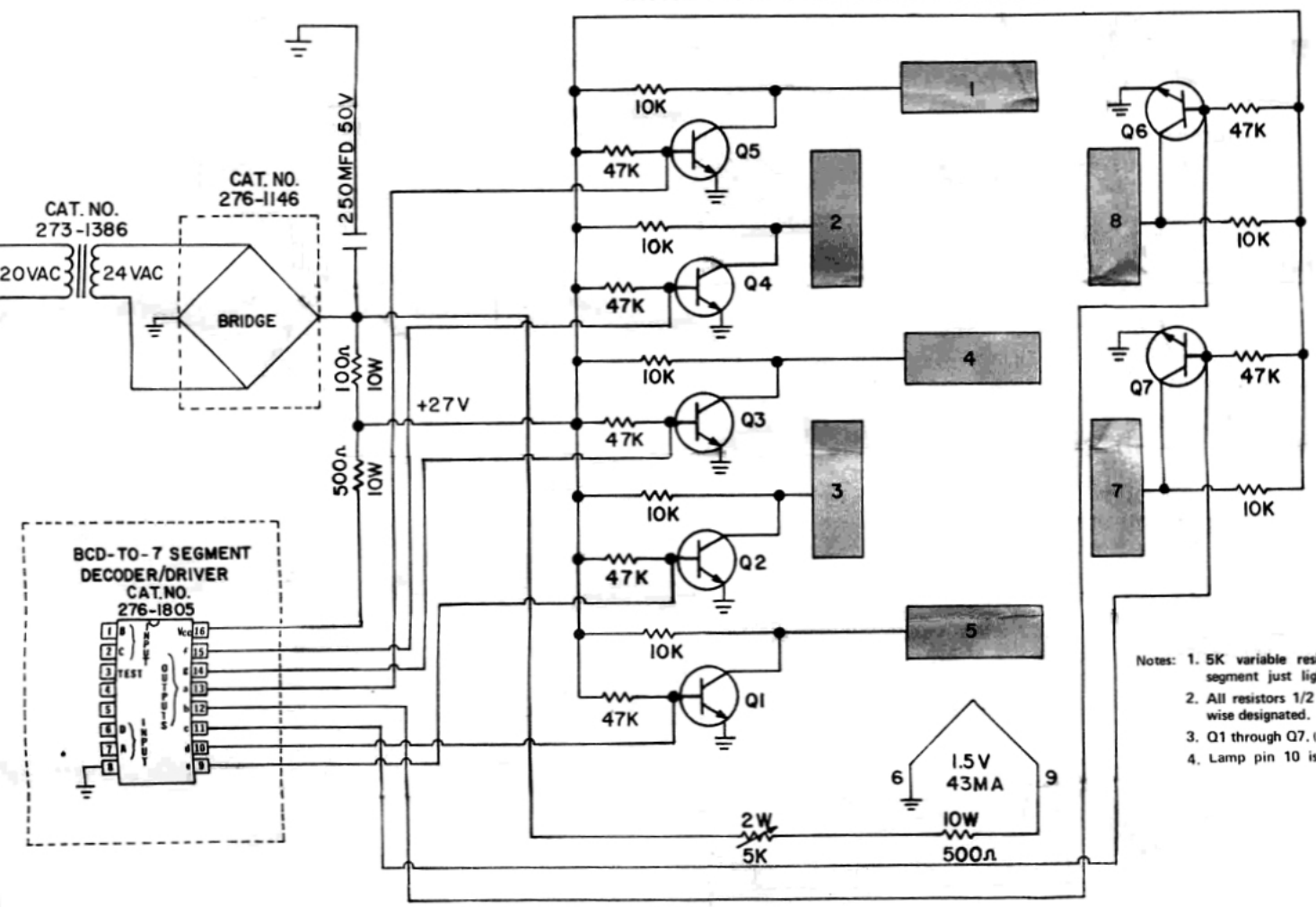
1. Driven by a BCD to seven segment Decoder/Driver #7447.
2. Total power requirements of less than 175 MW.
3. Fluorescent segments are mounted on a single substrate for extra durability in portable applications.
4. Highly visible blue-green color. Easy on the eye.
5. Typical light output of 200 foot lamberts at 25 volts D.C.
6. Maximum allowable segment voltage is 35 volts D.C.

	UNIT	SEG. V.	FIL. V.	MIN.	NOM.	MAX.
Filament current	MA. AC/DC	27	1.5	35	40	45
Cathode current	MA. D.C.	27	1.5	–	4.0	9.0
Segment current	MA. D.C.	27	1.5	–	0.5	1.5
Average brightness	Ft/lambert	27	1.5	100	200	–



PIN CONNECTIONS
Bottom View

SCHEMATIC FOR USE WITH YI938/YI939
VACUUM FLUORESCENT NUMERICAL DISPLAY



Notes: 1. 5K variable resistor adjusts un segment just lights.
2. All resistors 1/2 watt unless othe wise designated.
3. Q1 through Q7. (Cat. No. 276-2016)
4. Lamp pin 10 is used for decim