RAYTHEON

TECHNICAL INFORMATION SERVICE

Technical Information

CK5885

SUBMINIATURE DOUBLE TETRODE ELECTROMETER TUBE

Raytheon type CK5885 is a double tetrode electrometer tube designed for use in balanced circuits commonly employed in portable and wearable radiation instruments. Although rated as a triode, the use of a tetrode structure permits a greater degree of circuit flexibility.

Standard subminiature sockets may be used by cutting the leads to a 0.200" length, or the flexible terminal leads may be soldered or welded directly to circuit components.

ELECTRICAL DATA

FILAMENT CHARACTERISTICS

Filament Voltage	1.25	Volts
Filament Current	0.020	Amps

RATINGS - ABSOLUTE MAXIMUM VALUES

Filament Voltage	1.0 to 1.5	Volts
Plate Voltage	22.5	Volts
Grid #2 Voltage	22.5	Volts
Cathode Current, Each Unit	300	uAdc

AVERAGE CHARACTERISTICS Δ

Plate Voltage (tied to screen)	13.5	Volts
Grid Voltage	-3	Volts
Plate Current, Each Unit	185	uAdc
Amplification Factor, Either Unit	2.4	---
Transconductance, Each Unit	160	umhos
Grid Current (nominal)	1×10^{-12}	amps

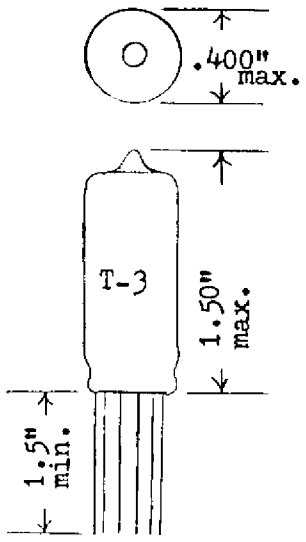
Δ Triode Connection - screen grid tied to plate

TENTATIVE DATA

MECHANICAL DATA

ENVELOPE..T3 glass
OUTLINE..JEDEC 3-2
(MIL 8-2)
BASE..E810, Sub-miniature button
LEADS...0.017" tinned Flexible Leads
MOUNTING POSITION..
ANY

OUTLINE DETAILS



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TERMINAL CONNECTIONS

Lead 1	Control Grid, Unit 1
Lead 2	Screen Grid, Unit 1
Lead 3	Plate, Unit 1
Lead 4	Filament, Negative
Lead 5	Screen Grid, Unit 2
Lead 6	Control Grid, Unit 2
Lead 7	Plate, Unit 2
Lead 8	Filament, Positive

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