

ELECTRONIC TUBE REFERENCE

STY8510

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Cold-cathode glow-discharge tube optimized for stable reference-voltage service in regulated supplies, instrumentation, calibration, or precision electronic circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Voltage Regulator	
REGULATOR VOLTAGE	85 V
MINIMUM REGULATOR CURRENT	1 mA
MAXIMUM REGULATOR CURRENT	10 mA
STARTING VOLTAGE	125 V
MAINTAINING VOLTAGE	85 V
DYNAMIC IMPEDANCE	250 Ω
Published glow-regulator values promoted from the source sheet.	

STY8510 is a printed exact equivalent/co-designation on the STR8510 source sheet. A high-stability cold-cathode glow-discharge voltage regulator with a published lifetime voltage-change limit of 0.5%.

SOURCE OPERATING CONDITIONS

1953 RFT Rundfunk Technik

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1953 RFT RUNDFUNK TECHNIK

Section 1 · Voltage Regulator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Nominal maintaining voltage	85 V	—
Lifetime voltage change	0.5 %	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Current range	1 to 10 mA	—
Nominal current	6 mA	—