



ELECTRONIC TUBE REFERENCE

P863

Specialized - Photo Tube electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CAMERAPICKUP

Vidicon television camera tube designed for sensitive optical image pickup in studio, remote, industrial, or compact camera systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 95 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1	CameraPickup
MAXIMUM PLATE VOLTAGE	1000 V

Short ruggedized 1-inch vidicon camera tube with magnetic focusing and deflection, high sensitivity, low lag and resolution approaching 1000 TV lines.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 English Electric Valve

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

1971 ENGLISH ELECTRIC VALVE

Section 1 · CameraPickup

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
SignalElectrodeCapacitance	60 pF	Average; signal electrode to all other electrodes

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
LimitingResolution	1000 TV lines	Centre of picture; optimized high-voltage operation