ELECTRONIC TUBE REFERENCE

A1769GM

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Seventeen-centimeter rectangular aluminized P4 picture tube for industrial television, using a tetrode electron gun with Einzel electrostatic focusing and approximately 70-degree magnetic deflection.

General characteristics

BASE DESIGNATION	—	**BASE PINS**	—
NOMINAL HEATER	6.3 V / 360 mA	**PARALLEL HEATER**	— / —
HEATING	Indirect	**SERIES OPERATION**	Not specified
CATHODE ARRANGEMENT	Separate cathodes	**SECTION CONSTRUCTION**	Similar

Section ratings

SECTION1 Cathode Ray

No fixed ratings recorded.

CRT section. Maximum ratings, operating conditions, capacitances, optical and mechanical values are preserved as parameters where published.

17 cm rectangular picture tube, aluminized Electron Gun Tetrode with Einzel- screen, for industrial television Lens Deflection Method Magnetic Deflection Angles Diagonal 70° Screen Phosphor P4 Alu-

SOURCE OPERATING CONDITIONS

1976 ITT Picture Tubes

SOURCE PDF

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

1976 ITT PICTURE TUBES

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published value	**17 cm**	—
Neck Diameter	**365 mm**	—
Minimum Useful 96 %	**126 mm**	—
Dimensions Diagonal	**1556 mm**	—
Overall Length 256 *	**10 mm**	—
1. Generalities Weight	**7 kg**	—
A 17-63BE Blue Medium Short 10=...	**103 s**	—
A 17-69 GM Purplish-Blue . Long B 16t...	**1 s**	—
A 17--69LF Orange Long	**107–1 s**	—
2. Typical Operating Conditions Ri/k max @)	**1 MQ**	—
U; ®	**63 V**	—
U; ® 63V Ziik max @ (2)	**1 MQ**	—
i	**3 %**	—
i 03% (2)	**6 %**	—
i 03%6%A U-tkm1 @ @ (3)	**410 V**	—
Published value	**14 kV**	—
14 kV U_thkmax2 @ @ (2)	**0 V**	—
Ug 300	**400 V**	—
Ug 300 400V U_th p max (2)	**300 V**	—
Ut ® 0...400	**0–400 V**	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ut ® 0...400 0...400V U ik max (2)	**185 V**	—
(-Ug1) cutoi @ 35...75	**28–102 V**	—
e Rg1 min_ e	**150 ohm**	—
Ugagsa imin &	**12 kV**	—

CIRCUITDESIGNRATINGS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U92 max	**460 V**	—
Ug2 min i	**200 V**	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
{-Uq1) b max	**400 V**	—
{-Uq1) b max 400 V Cgl _approx. (2)	**7 pF**	—
Plm max	**10 mW/cm**	—
Plm max 10 mW/cm? Ck approx. (2)	**5 pF**	—
Rl max	**1 MQ**	—
Rl max 1,0 MQ Ciifatelu ik (2)	**400 pF**	—
Published value	**0.5 MQ**	—