

ELECTRONIC TUBE REFERENCE

A5514X

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Large 55-56 cm-class monochrome television picture tube for high-voltage direct viewing, with manufacturer-defined magnetic deflection, focusing, and screen characteristics.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 900 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	25000 V
CRT section. Maximum ratings, operating conditions, capacitances, optical and mechanical values are preserved as parameters where published.	

55 cm self-protected shadow-mask color television picture tube with three electron guns and magnetic convergence.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 Mazda Belvu

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

1968 MAZDA BELVU

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater or filament voltage	6.3 V	Published nominal value
Heater or filament current	900 mA	Published nominal value
Screen diagonal	55 cm	Published
Deflection angle	90 deg	Published

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1976 ITT Picture Tubes

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
tion angle and	36.5 mm	—
The useful screen area of	1465 cm	—
has nearly straight sides of 44 x	35 cm	—
{appr.) with 3 x4 aspect ratio. The filter- Minimum Useful Diagonal	514 mm	—
glass of the faceplate has a light trans- Screen Dimensions Horizontal	443 mm	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
mission of 52 % (appr.). Vertical	346 mm	—
angular dot groups - colour friplets - Area(approx.)	1465 cm	—
vated sulfide phosphors, the red emitting Neck Diameter	36.5 mm	—
phosphor is composed of yttrium com- Overall Length 483f	9.5 mm	—
Weight	16 kg	—
3. Maximum Ratings CgdgSalm max	2500 pF	—
Codg	5 a	—
Codg5a/m min (2)	2000 pF	—
©	27.5 kV	—
© - 27,5 kV CgdgSalm' {approx.) (2)	280 pF	—
Ugdgsa min	20 KV	—
To	455 a	—
293__ max	6 kV	—
Ugz p max	1 KV	—
' :-Ucl'l} max	200 V	—
@	250 V	—
U_px p_max _@ =	300 V	—
@	180 V	—
@ 180 V neagrest centre of screen (2)	0.64 mm	—
U+f. - "k max' @	135 V	—

CIRCUITDESIGNRATINGS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
u@	63 V	—
u@ 63V Ig < (2)	-45–15 uA	—
Ugdgsa _ S SRRy Ig1 (=Uq) =	150 V	—
Ugdgsa _ S SRRy Ig1 (=Uq) = 150V =+ (2)	5 uA	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
S	42–50 kV	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ugz cuort @ @	285–685 V	—
at (-Ug) =	150 V	—
at (-Ug) = 150V ez Bal (approx.) (2)	6 pF	—
(-Ua1) cutors @	95–190 V	—
at Ugz =	400 V	—
at Ugz = 400V G (approx.) (2)	5 pF	—
Cg3 (approx.)	6.5 pF	—