

Silverama^a Types for Black-and-White TV

Type No.	Envelope Code ●	Safety Feature ★	Nom. Deflection Angle Degrees	Heater Volts/mA	Focusing Method ■	Design Max. Anode Voltage kV	Typical G2 Voltage Volts	Screen Diag. Inches	Max. Overall Length Inches	Termin Dia.
5VABP4	SGA	A	70	12.0/79	E	15.0	115	5.036	7.550	
80P4‡	SG	A	90	6.3/600	E	9.0	200	7.750	10.750	
9AEP4	SGA	F	85	6.3/450	E	15.0	100	9.024	8.700	
9VABP4	SGA	F	85	6.3/450	E	15.0	140	9.024	8.700	
9VAJP4	SGA	H	90	11.0/140	E	15.0	90	9.000	8.700	
9WP4	SGA	G	90	12.0/75	E	12.0	100	8.270	8.270	
10ATP4	SGA	F	85	6.3/300	E	15.0	140	9.024	8.700	
10AVP4	SGA	F	85	12.0/79	E	15.0	90	9.024	8.700	
11CP4	SGA	A	110	6.3/450	E	15.0	400	10.125	9.188	
11GP4	SGA	C	110	6.3/450	E	15.0	135	10.188	9.188	
12BNP4A	SGA	J	110	6.3/450	E	16.0	250	11.625	9.598	
12DEP4	SGA	F	110	6.3/450	E	15.0	100	11.625	9.690	
12DFP4	SGA	H	110	6.3/450	E	15.0	200	11.620	9.060	
12DKP4	SGA	F	110	6.3/450	E	16.0	140	11.625	9.374	
12DSP4	SGA	H	110	6.3/300	E	15.0	140	11.625	9.274	
12VAGP4	SGA	G	110	6.3/300	E	14.0	200	11.500	9.530	
12VAQP4	SGA	G	110	4.2/450	E	15.0	140	11.500	9.530	
12VAWP4	SGA	J	110	6.3/450	E	15.0	130	11.500	9.53	
12VAXP4	SGA	J	110	11.0/82	E	14.0	150	11.500	9.530	
12VBNP4	SGA	H	90	11.0/140	E	15.0	90	11.500	11.125	

▲ Terminal diagrams for RCA picture tubes are shown on pages 672 and 673.
 For SAFETY PRECAUTIONS and NOTES refer to page 670.
 ‡ Requires ION trap.

Silverama^a Types for Black-and-White TV (Cont.)

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15VACP4	SGA	H	114	6.3/450	E	20.0	30	14.875	10.811	8HR
16CMP4A	SGA	G	114	6.3/450	E	18.0	300	14.875	10.811	8HR
16RP4B	SGA	A	70	6.3/600	M	17.5	300	14.875	19.125	12N
16VAGP4	SGA	H	114	6.3/450	E	20.0	30	16.250	11.445	8HR
16VBYP4	SGA	F	114	11.0/140	E	22.0	130	16.250	11.450	8HR
17BP4D	SGA	A	70	6.3/600	M	17.5	300	15.562	19.562	12N
17CFP4	SGA	A	90	6.3/600	E	17.5	300	15.750	14.375	12L
17DQP4	SGA	A	110	6.3/450	E	17.5	50	15.750	12.375	7FA
17DRP4	SGA	A	110	2.68/450	E	17.5	300	15.750	11.000	8JK
17LP4B	SGCA	A	70	6.3/600	E	17.5	300	15.562	19.562	12L
17QP4B	SGCA	A	70	6.3/600	M	20.0	300	15.562	19.562	12N
18VAUP4	SGA	F	114	6.3/450	E	23.5	30	17.562	11.875	8HR
19ABP4	SGA	A	114	2.68/450	E	20.0	300	17.562	11.125	8JK
19AFP4	SGA	B	114	6.3/600	E	20.0	300	17.625	11.938	8HR
19AJP4	SGA	A	114	6.3/450	E	20.0	50	17.562	11.625	7FA
19AVP4	SGA	A	114	6.3/600	E	23.0	400	17.562	11.625	8HR
19AYP4	SGA	A	114	6.3/450	E	23.0	400	17.562	11.625	8HR
19BDP4	SGA	A	92	6.3/600	E	19.8	50	17.562	15.625	12L
19CHP4	SGA	A	114	6.3/600	E	20.0	50	17.562	11.875	8HR
19CMP4	SGA	A	114	6.3/450	E	20.0	30	17.562	11.875	8HR
19CVP4	SGA	B	114	6.3/450	E	23.0	50	17.625	11.938	8HR
19CXP4	SGA	A	114	6.3/600	E	20.0	45	17.562	11.875	7FA
19DBP4	SGA	D	114	6.3/450	E	19.8	40	17.562	12.125	7FA
19DQP4	SGA	G	114	6.3/450	E	23.0	300	17.562	11.875	8HR
19DRP4	SGA	G	114	6.3/600	E	23.0	300	17.562	11.875	8HR
19DSP4	SGA	G	114	6.3/600	E	20.0	50	17.562	11.875	8HR
19DUP4	SGA	F	114	6.3/450	E	22.0	50	17.562	11.969	8HR
19EBP4	SGA	C	114	6.3/600	E	23.0	400	17.562	11.875	8HR
19EGP4	SGA	C	114	6.3/450	E	21.0	50	17.562	11.875	8HR
19EYP4	SGA	C	114	6.3/450	E	19.8	45	17.562	11.875	7FA
19FLP4	SGA	G	114	6.3/450	E	23.0	300	17.562	11.625	8HR
19GAP4	SGA	C	114	6.3/450	E	19.8	400	17.562	11.875	8HR
19GEP4A	SGA	L	114	6.3/450	E	23.0	300	17.562	11.875	8HR
19VAHP4	SGA	H	114	6.3/450	E	23.0	30	18.625	12.519	8HR
19VAJP4	SGA	H	114	9.45/300	E	23.0	30	18.625	12.519	8HR
19VALP4	SGA	C	114	6.3/450	E	23.0	300	18.625	12.519	8HR
19VFEP4	SGA	F	114	11.0/140	E	23.0	130	18.625	12.644	8HR
20RP4	SGA	F	114	6.3/450	E	22.0	50	18.625	12.613	8HR
20VAQP4	SGA	F	114	6.3/450	E	23.5	30	19.625	12.937	8HR
21AMP4B	SGA	A	90	6.3/600	M	20.0	300	20.250	20.375	12N
21AVP4C	SGA	A	72	6.3/600	E	22.0	300	20.250	23.406	12L
21AWP4A	SGA	A	72	6.3/600	M	20.0	400	20.250	23.406	12N
21CBP4A	SGA	A	90	6.3/600	E	22.0	300	20.250	18.375	12L
21CQP4	SGA	A	110	6.3/600	E	20.0	300	20.250	14.812	7FA
21DLP4	SGA	A	90	6.3/600	E	22.0	300	20.250	17.375	12L
21DSP4	SGA	A	90	6.3/600	E	22.0	50	20.250	18.375	12L
21EMP4/ 21EQP4	SGA	A	110	6.3/600	E	20.0	500	20.250	13.440	8HR
21EP4C	SGCA	A	70	6.3/600	M	20.0	300	20.000	23.406	12N
21FDP4	SGA	A	110	6.3/600	E	20.0	300	20.250	13.375	8KW
21FP4B	SGCA	A	70	6.3/600	E	20.0	300	20.000	23.406	12L

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21FVP4	SGA	G	114	6.3/450	E	23.0	400	19.625	12.937	8HR
21GAP4A	SGA	G	114	6.3/450	E	23.5	30	19.625	12.937	8HR
21WP4B	SGA	A	70	6.3/600	M	20.0	300	19.250	22.812	12N
21XP4B	SGA	A	70	6.3/600	E	20.0	300	19.250	22.812	12L
21YP4B	SGA	A	70	6.3/600	E	20.0	300	20.000	23.406	12L
21ZP4C	SGA	A	70	6.3/600	M	20.0	300	20.000	23.406	12N
22VABP4	SGA	F	110	6.3/450	E	23.5	30	22.312	14.406	8HR
22VACP4	SGAT	D	110	6.3/450	E	23.0	30	22.312	14.594	8HR
22VADP4	SGA	C	92	6.3/450	E	25.0	400	22.312	18.375	12L
22VAEP4	SGA	K	110	6.3/450	E	23.0	300	22.312	15.156	8HR
23AHP4/ 23ASP4	SGA	A	92	6.3/600	E	22.0	400	22.312	17.875	12L
23ARP4	SGA	A	110	6.3/600	E	22.0	400	22.312	15.156	8HR
23BGP4	SGA	B	110	6.3/600	E	22.0	50	22.312	15.562	8HR
23BJP4	SGA	A	92	6.3/600	E	25.0	50	22.312	18.500	12L
23BKP4	SGA	B	92	6.3/600	E	25.0	50	22.312	18.875	12L
23BQP4	SGA	B	110	6.3/450	E	23.0	300	22.312	15.562	8HR
23CGP4	SGA	A	92	6.3/450	E	22.0	500	22.312	18.375	12L
23CP4	SGA	B	110	6.3/600	E	22.0	400	22.312	15.562	8HR
23CP4A	SGA	B	110	6.3/600	E	23.5	300	22.312	15.562	8HR
23CQP4	SGA	A	114	6.3/450	E	23.5	500	22.312	14.000	8HR
23DAP4	SGA	A	94	6.3/600	E	23.0	50	22.312	17.391	8HR
23DBP4	SGA	A	110	6.3/600	E	22.0	50	22.312	15.156	8HR
23EKP4	SGA	G	92	6.3/450	E	25.0	400	22.312	18.375	12L
23ENP4	SGA	G	92	6.3/600	E	25.0	50	22.312	18.500	12L
23EP4	SGA	B	110	6.3/600	E	22.0	50	22.312	15.562	8KP
23ETP4	SGA	G	110	6.3/600	E	23.0	300	22.312	15.156	8HR
23EWP4A	SGA	F	114	6.3/450	E	22.0	400	22.312	14.812	8HR
23EYP4	SGA	C	92	6.3/600	E	25.0	35	22.312	18.500	12L
23EZP4	SGA	K	94	6.3/450	E	23.5	50	22.312	17.390	8HR
23FP4A	SGA	A	114	6.3/600	E	23.5	500	22.312	14.062	8HR
23FRP4	SGA	C	110	6.3/450	E	23.0	50	22.312	14.500	8HR
23FSP4	SGA	C	110	6.3/600	E	23.0	400	22.312	15.125	8HR
23GWP4	SGA	F	110	6.3/450	E	22.0	50	22.312	14.781	8HR
23HFP4A	SGA	G	110	6.3/450	E	23.0	300	22.312	15.156	8HR
23HWP4A	SGA	L	110	6.3/450	E	22.0	50	22.312	15.156	8HR
23JEP4	SGA	K	110	6.3/450	E	23.0	300	22.312	15.156	8HR
23JP4	SGA	B	110	6.3/450	E	22.0	50	22.312	15.875	7FA
23NP4	SGA	A	114	6.3/600	E	22.0	50	22.312	14.812	8HR
23YP4	SGA	B	92	6.3/600	E	22.0	300	22.312	18.750	12L
24AEP4	SGA	A	90	6.3/600	E	22.0	300	22.812	19.500	12L
24AHP4	SGA	A	110	6.3/600	E	22.0	400	22.812	16.188	8HR
24AUP4	SGA	A	90	6.3/600	E	22.0	300	22.812	18.500	12L
24CP4B	SGA	A	90	6.3/600	M	22.0	300	22.812	21.500	12N

Black-and-White Test Picture Tube

8XP4	SGA	A	90	6.3/600	A	22.0	400	7.750	11.750	12S
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▲ Terminal diagrams for RCA picture tubes are shown on pages 672 and 673. For SAFETY PRECAUTIONS and NOTES refer to page 670.

SAFETY PRECAUTIONS

In servicing a television receiver that requires a replacement picture tube, a tube with the same type number or an RCA recommended replacement tube type

should be used to assure the same or improved integral x-radiation shielding and implosion protection.

Note: For additional Safety Precautions, refer to page 93.

Notes for Picture Tube Characteristics Chart

● **Envelope Code** (All types have spherical faceplate except where noted)

R Round
S Rectangular
G Glass
C Cylindrical faceplate
A Aluminized
T Treated faceplate

★ **Safety Feature**

A Conventional Tube — Requires Safety Window in Receiver
B Integral Moulded-Glass Safety Panel (Bi-Panel*)
C Filled Rim (Shelbond†)
D Integral Safety Panel (Laminated)
F Tension Band Over Formed Rim Bands (Kimcode †)
G Welded Tension Band Over Formed Rim Bands (Pan-O-Ply*)
H Tension Band Over Tape (T-Band)
J Welded Tension Band Over Tape (T-Band)
K Tension Band Over Formed Rim Bands With Mounting Lugs (Kimcode/Lugs)

L Welded Tension Band Over Formed Rim Bands With Mounting Lugs (Pan-O-Ply/Lugs)
M Tension Band With Mounting Lugs Over Tape (T-Band Lugs)

■ **Focusing Method**

A Automatic focus
E Electrostatic focus
M Magnetic focus

Footnotes

a. All Materials and parts used in the manufacture of RCA Silverama Picture Tubes are new except for the envelope which, prior to reuse, was carefully inspected to meet the standards of the original new envelope.
b. Both Colorama and Hi-Lite versions are available.
c. Only Colorama versions (prefix C— or CA—) are available. RCA Colorama Picture Tubes contain used materials which, prior to reuse, are carefully in-

spected to meet RCA's high quality standards.

d. Absolute-Maximum value.
g. This type has an einzel lens focus system. Values shown are in volts which do not vary with anode voltage.
h. Only Hi-Lite Versions (prefix H—) are available. RCA Hi-Lite Color Picture Tubes contain all New Parts and Materials.
j. At Grid-No.1 voltage of —100 volts.
k. At Grid-No.1 voltage of —50 volts.
m. MATRIX Color Picture Tube.
p. Precision In-Line Color Picture Tube.

* Trademark of RCA, Lancaster, Pa., 17604.

† Trademark of Corning Glass Works, Corning, N.Y. 14830

‡ Trademark of Owens-Illinois, Inc., Columbus, Oh. 58727

‡ Design-Maximum value unless otherwise noted.