

No. 954E

LA7920

## TV Tuner Band Selector

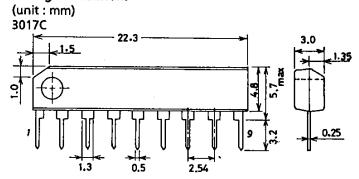
The LA7920 is a tuner band selector IC intended for use in electronic tuning type TV sets. It outputs supply voltages to the tuner unit according to 2-input band select signals.

## **Features**

- . 2 inputs, 4 outputs.
- . Decoders of 2 types available by changing-over C pin.
- . Single-supply operation (Output transistor: pnp type).
- . Low output saturation voltage.

Maximum Ratings at Ta=25°C  Maximum Supply Voltage  Maximum Applied Voltage  Maximum Load Current  Input Current  Allowable Power Dissipation  Operating Temperature  Storage Temperature	VCCmax V6,V7 IO6max(f1) IO1max(f2) IO7max(f3) IO2max(f4) IINmax Pdmax Topr	14 -12 -20 -35 -20 -35 2 400 -20 to +65 -55 to +125	VVV MA MA MA MA MA MA MW °C	
Operaitng Characteristics at Ta= Quiescent Current Output Saturation Voltage Input Threshold voltage Output Leak Current	25°C I <sub>CCO</sub> V <sub>O</sub> (sat) V <sub>TH</sub> I6,I7	0	yp max 13 18 0.7 .5 3.0 50	unit mA V V pA

## **Package Dimensions**



SANYO: SIP9

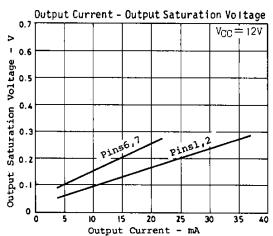
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Truth Table

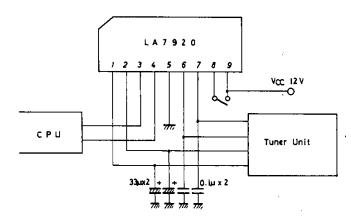
Ing	out	Control Pin	Output			
A(Pin3)	B(Pin4)	C(Pin8)	f <sub>1</sub> (Pin6)	f <sub>2</sub> (Pinl)	f3(Pin7)	f4(Pin2)
H	H	$v_{CC}$	Z	Z	Z	Н
L	H	11	Z	Z	H	н
H	L	11	Z	H	Z	z
L	L	"	H	Z	H	н
Н	H	Open	Н	Z	${f z}$	н
L	H	11	Z	Z	H	н
Н	L	n .	Z	Н	$\mathbf{z}$	z
L	L		Н	Z	H	] н

Z: High impedance

Output Current - Output Saturation Voltage Characteristics



Sample Application Circuit



Unit (capacitance:F)

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