

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

Ordering number : EN 954E

- . 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			ι	mit	
Maximum Supply Voltage	VCCmax	1	4	v	
Maximum Applied Voltage	V6,V7	-1	2	v	
Maximum Load Current	I06max(f1)	-2	0	mA	
	IOlmax(f ₂)	-3	5	mA	
	$I07max(f_3)$	-2	0	mA	
	$I_{02}max(f_4)$	-3	5	mA	
Input Current Allowable Power Dissipation Operating Temperature Storage Temperature	I _{IN} max P _d max Topr Tstg	40 -20 to +6 -55 to +12	5	mA m₩ °C °C	
Operaitng Characteristics at Ta=25°C		min	typ	max	unit
Quiescent Current	Icco		13	18	mA
Output Saturation Voltage	V _O (sat)	0		0.7	v
Input Threshold voltage	v_{TH}	0.8	1.5	3.0	v
Output Leak Current	I6,I7			50	μA
(Note) Current flowing into I Current flowing out of					



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Tr<u>uth Table</u>

Ing	Input		Output			
A(Pin3)	B(Pin4)	C(Pin8)	f _l (Pin6)	f ₂ (Pinl)	f3(Pin7)	f4(Pin2)
Н	Н	V _{CC}	Z	Z	Z	Н
L	Н	17	Z	Z	Н	н
н	\mathbf{L}	**	Z	н	Z	Z
L	L	11	Н	Z	Н	н
Н	н	Open	н	Z	Z	н
L	н	11	Z	Z	н	н
Н	L	11	z	Н	Z	z
L	L		Н	Z	н	н

Z:High impedance

Output Current - Output Saturation Voltage Characteristics



Sample Application Circuit



Unit (capacitance: F)

LA7920

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