

Monolithic Linear IC

SANYO

No.1487B

LA7808**B/W TV Synchronization, Deflection Circuit**

The LA7808 contains a sync separator.

Maximum Ratings at Ta=25°C

			unit
Maximum Supply Voltage	V1	14.0	V
	V7	14.0	V
Allowable Power Dissipation	Pdmax	300	mW
Operating Temperature	Topr	-20 to +85	°C
Storage Temperature	Tstg	-55 to +125	°C

Recommended Operating Condition at Ta=25°C

			unit
Recommended Supply Voltage	V1	12.0	V
	V7	12.0	V

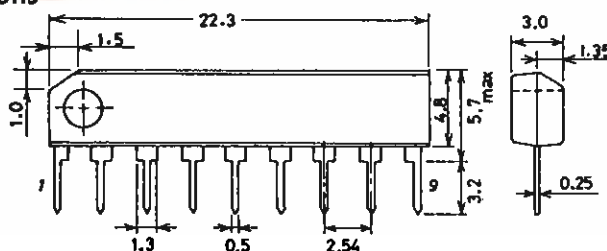
Operating Characteristics at Ta=25°C, V1=V7=12V

		min	typ	max	unit
VCC1 Current Dissipation	ICC1	6.0		11.0	mA
VCC2 Current Dissipation	ICC7	3.8		7.1	mA
Sync Separation Input DC Level		9.0		9.6	V
Sync Signal Peak Value		11.0			V
Horizontal DC Loop Gain	+ sign at V2=5V, - sign at V2=1V	±240		±400	μA
Horizontal Free-Running Frequency	fH fH center=15.750kHz	-750		750	Hz
Horizontal Oscillation Start Voltage				4.0	V
Increased/Reduced Voltage	V1=12±1V	-50		50	Hz/V
Characteristic of Horizontal Frequency	(15.750kHz at 12V)				
Temperature Characteristic of Horizontal Frequency	Ta=-10 to +60°C	-2.20		1.22Hz/°C	
Horizontal Frequency Warm-up Drift	5s to 30min. after switch ON	-90		50	Hz
Horizontal Output Pulse Width	Positive pulse period	21.5		26.5	μs
Horizontal Output Drive Current		4.2		7.8	mA

Package Dimensions

(unit: mm)

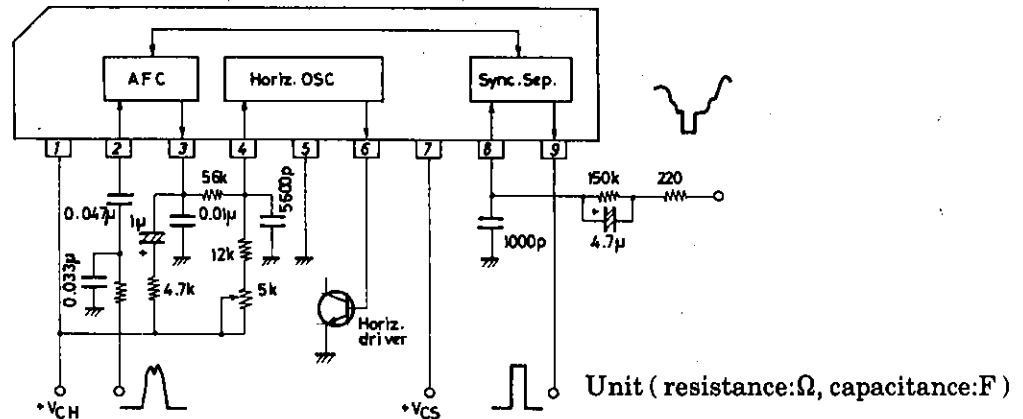
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SANYO: SIP9

LA7808

Sample Application Circuit : Sync, Deflection Circuit



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