Ordering number : EN 1487B

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	Ta≦60°C	300	mW
Operating Temperature	Topr		-20 to +85	°C
Storage Temperature	Tstg		-55 to +125	°C

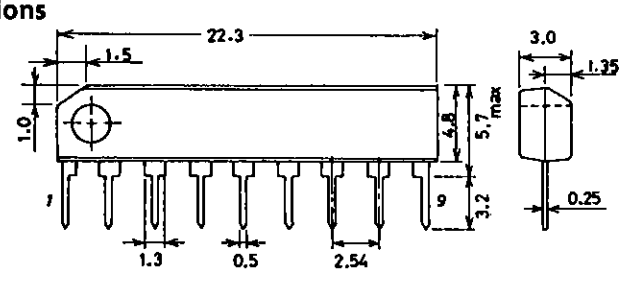
Recommended Operating Condition at Ta=25°C

			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
V_{CC1} Current Dissipation	I_{CC1}		6.0		11.0	mA
V_{CC2} Current Dissipation	I_{CC7}		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 V_2=5V, - sign at V_2=1V	±240		±400	μA
Horizontal Free-Running Frequency	f_H	f_H center=15.750kHz	-750		750	Hz
Horizontal Oscillation Start Voltage					4.0	V
Increased/Reduced Voltage Characteristic of Horizontal Frequency		V1=12±1V (15.750kHz at 12V)	-50		50	Hz/V
Temperature Characteristic of Horizontal Frequency		Ta=-10 to +60°C	-2.20		1.22	Hz/°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)
3017C



SANYO : SIP9

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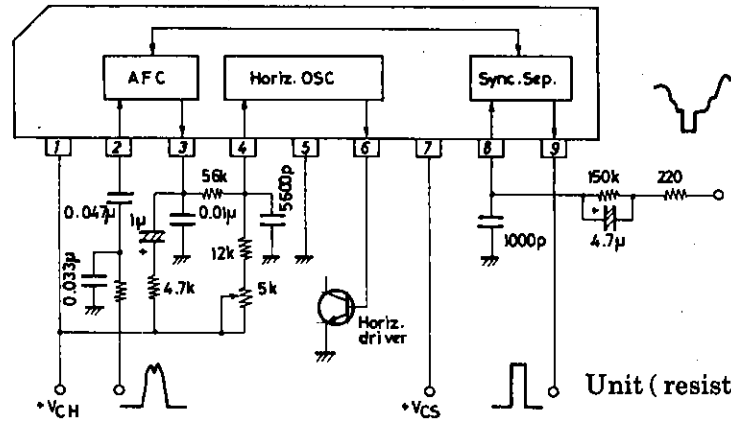
Sample Application Circuit : Sync, Deflection Circuit



Unit (resistance:Ω, capacitance:F)