

SANYO

No.1487B

Monolithic Linear IC

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

The LA7808 contains a sync separator.

Maximum Ratings at Ta=25°C

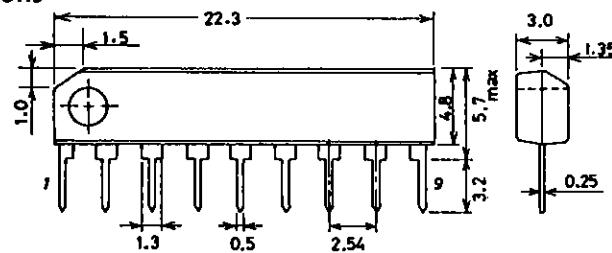
			unit
Maximum Supply Voltage	V1		14.0 V
	V7		14.0 V
Allowable Power Dissipation	Pdmax	Ta≤60°C	300 mW
Operating Temperature	Topr		-20 to +85 °C
Storage Temperature	Tstg		-55 to +125 °C

Recommended Operating Condition at Ta=25°C

		unit
Recommended Supply Voltage	V1	12.0 V
	V7	12.0 V

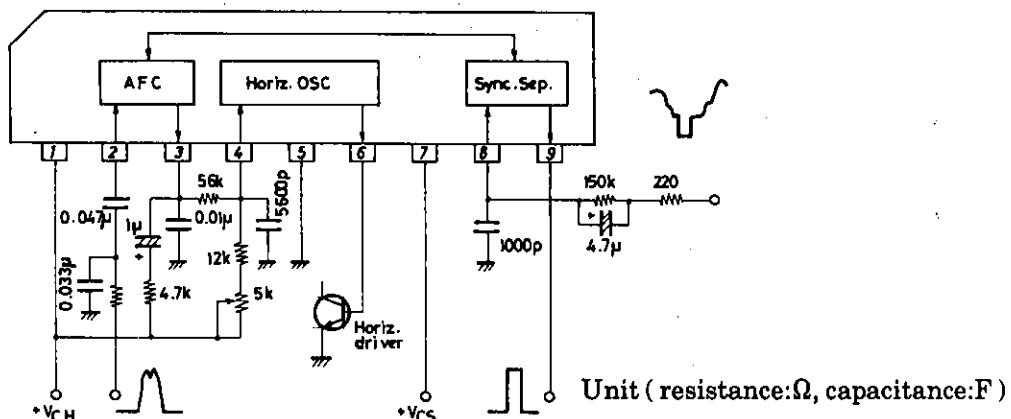
Operating Characteristics at Ta=25°C, V1=V7=12V

		min	typ	max	unit
V _{CC1} Current Dissipation	I _{CC1}	6.0	11.0	11.0	mA
V _{CC2} Current Dissipation	I _{CC7}	3.8	7.1	7.1	mA
Sync Separation Input DC Level		9.0	9.6	9.6	V
Sync Signal Peak Value		11.0	11.0	11.0	V
Horizontal DC Loop Gain	+ sign at V ₂ =5V, - sign at V ₂ =1V	±240	±400	±400	μA
Horizontal Free-Running Frequency	f _H f _H center=15.750kHz	-750	750	750	Hz
Horizontal Oscillation Start Voltage			4.0	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		1.22Hz/°C	
Horizontal Frequency Warm-up Drift	5s to 30min. after switch ON	-90	50	50	Hz
Horizontal Output Pulse Width	Positive pulse period	21.5	26.5	26.5	μs
Horizontal Output Drive Current		4.2	7.8	7.8	mA

Package Dimensions(unit : mm)
3017C

SANYO : SIP9

SANYO Electric Co.,Ltd. Semiconductor Business Headquarters
TOKYO OFFICE Tokyo Bldg., 1-10, 1 Chome, Ueno, Taito-ku, TOKYO, 110 JAPAN

Sample Application Circuit : Sync, Deflection Circuit

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