DATA SHEET

Part No.	AN13300A
Package Code No.	*SOP022 - P - 0375C

SEMICONDUCTOR COMPANY
MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.

Contents

AN13300A

Silicon Monolithic Bipolar IC

■ Features

- Video signal input - output interface for DSP

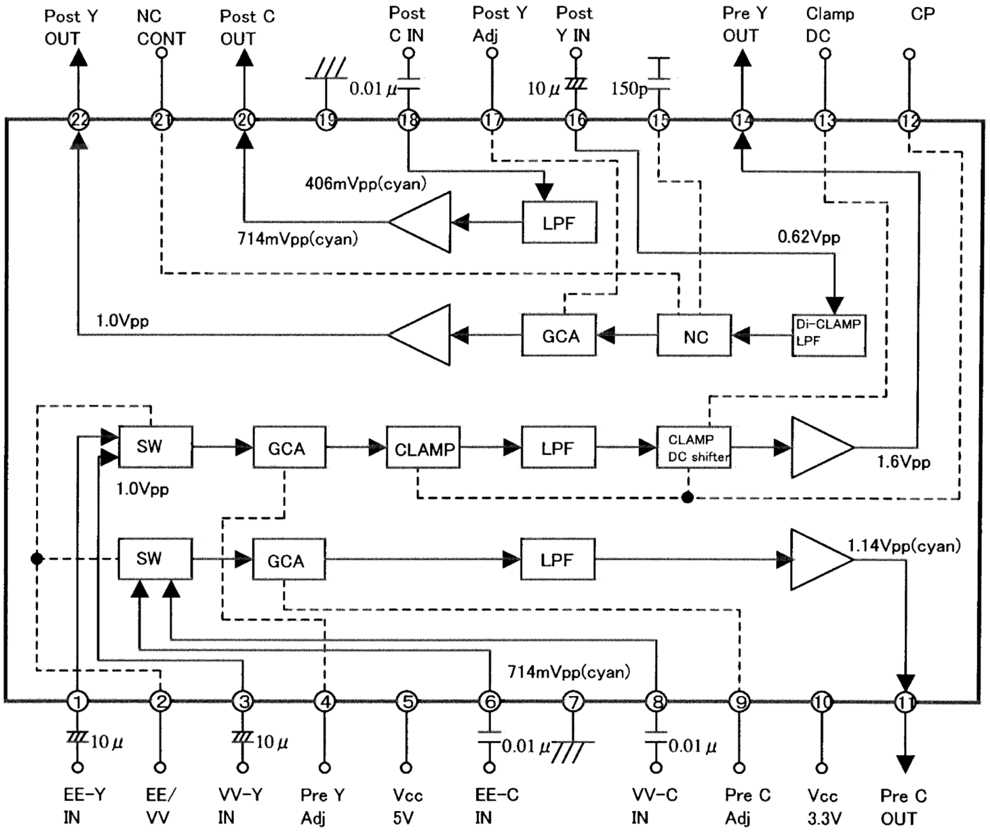
■ Applications

- VCR (Digital Video equipment)

■ Package

- Dill - 22Pin plastic package SO Type

■ Block Diagram



■Pin Descriptions

Pin No.	Function	Impedance	Pin No.	Function	Impedance
1	EE - Y IN	30k	12	Clamp Pulse IN	210k
2	EE / VV SW	210k	13	Clamp DC	65k
3	VV - Y IN	30k	14	Pre - Y OUT	E. F.
4	Pre - Y Adj.	64k	15	N. C. Capacitor	500k
5	V_{CC1} (5V)	—	16	Post - Y IN	26k
6	EE - C IN	30k	17	Post - Y Adj.	65k
7	GND	—	18	Post - C IN	21k
8	VV - C IN	10k	19	GND	—
9	Pre - C Adj.	62k	20	Post - C OUT	E. F.
10	V_{CC2} (3.3 V)	—	21	N. C. Control	65k
11	Pre - C OUT	E. F.	22	Post - Y OUT	E. F.

■ Absolute Maximum Ratings

No.	Parameter	Symbol	Rating		Unit	Note
1	Storage temperature	T_{stg}	–55 to +125		°C	*
2	Operating ambient temperature	T_{opr}	–20 to +70		°C	*
3	Operating ambient atmospheric pressure	P_{opr}	$1.013 \times 10^5 \pm 0.61 \times 10^5$		Pa	
4	Operating constant gravity	G_{opr}	9 810		m/S^2	
5	Operating shock	S_{opr}	4 900		m/S^2	
6	Supply voltage	V_{CC}	V_{CC1}	5.5	V	
			V_{CC2}	3.6		
7	Supply current	I_{CC}	I_{CC1}	35	mA	
			I_{CC2}	0.5		
8	Power dissipation	P_D	195		W	

Note) *: Expect for the operating ambient temperature and storage temperature , all ratings are for Ta = 25°C.

■ Operating Supply Voltage Range

Operating supply voltage range	V_{CC1}	4.75 V to 5.25 V
	V_{CC2}	3.1 V to 3.5 V

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