

Part No. AN13300A **SOP022 - P - 0375C + **TOP022 - P - 0375C + **TO

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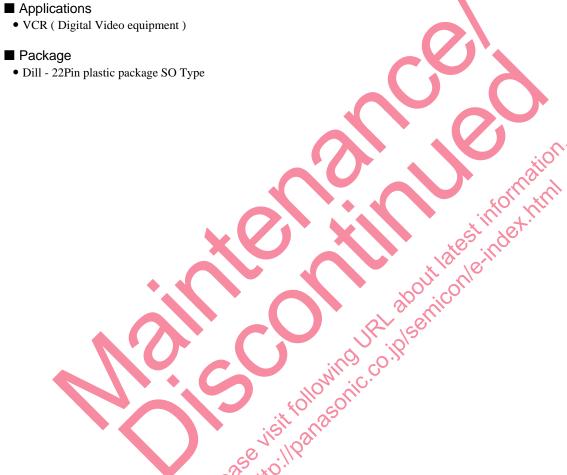


AN13300A

Silicon Monolithic Bipolar IC

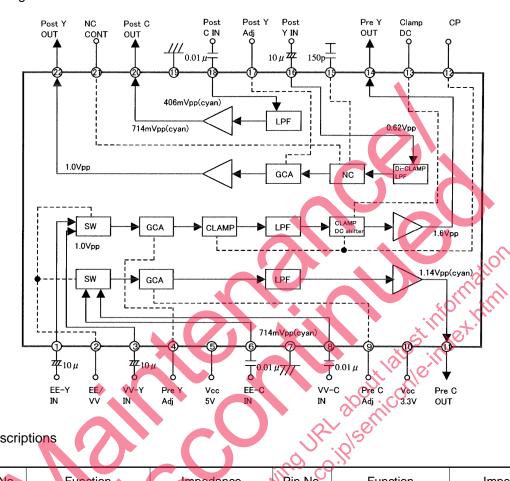
■ Features

• Video signal input - output interface for DSP



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■ Block Diagram



■Pin Descriptions

Pin No.	Function	Impedance	Pin No.	Function	Impedance
1	EE - Y IN	30k kO	12	Clamp Pulse IN	210k
2	EE / VV SW	2100	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.

AN13300A Panasonic

■ 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	$G_{ m opr}$	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 _{CC2} 3.6	V	
7	Supply current	I_{CC}	I _{CC1} 35 I _{CC2} 0.5	mA	
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

	V _{CC1}	JI :018	4.75 V to 5.25 V
Operating supply voltage range	V _{CC2}	(2) CO.2.	3.1 V to 3.5 V

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