

Video signal switcher with test pattern generator

BA7024

The BA7024 is a switching IC with built-in test-signal generator developed for use in VCRs. A frequency divider is used to divide a 500kHz reference signal and produce the horizontal synchronization signal and white signal. The test pattern image is two white lines on a black background.

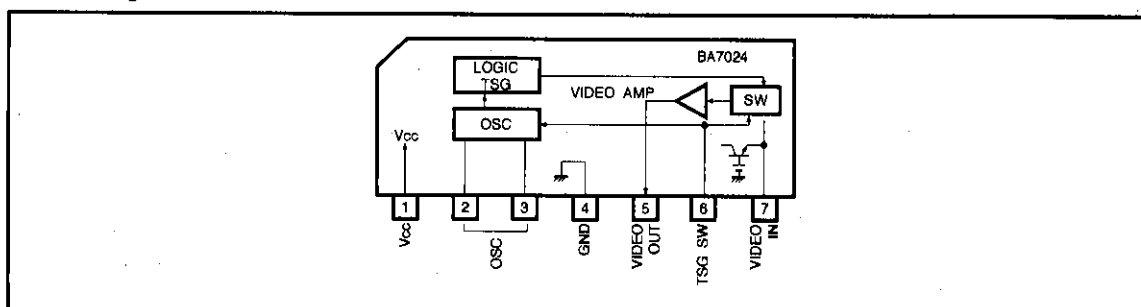
●Applications

Video cassette recorders

●Features

- 1) TSG generator circuit and video signal switch on one chip.
- 2) 5V power supply.
- 3) Small 7-pin SIP package.

●Block diagram

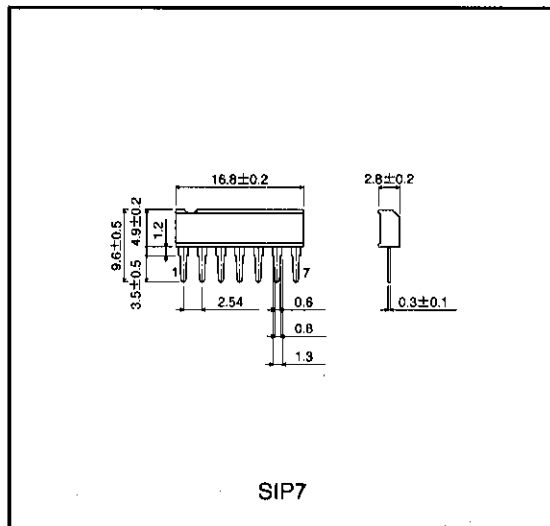


●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Power supply voltage	V _{cc}	8.0	V
Power dissipation	P _d	400 *	mW
Operating temperature	T _{opr}	-25~60	°C
Storage temperature	T _{stg}	-55~125	°C

* Reduced by 4.0mW for each increase in Ta of 1°C over 25°C.

● External dimensions (Units: mm)



Test pattern generator

VCR components