

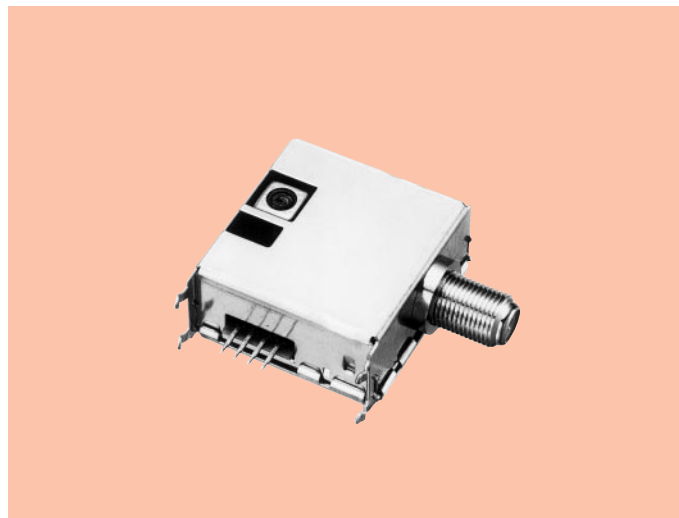
RF Modulator for VCR and CATV

MD20-VA2330

RF Modulators

OUTLINE

MD20 series are compact RF modulators developed for VCR and CATV and especially designed for use in instruments operating with low supply voltages.



FEATURES

1. Compact and light weight, ideal for VCR and CATV.
2. A change of channel is electronic change system.
3. High performance for SAW resonator and IC use.

SPECIFICATIONS

General Specifications

Model		MD20-VA2330 (America)
Item		
Rating Supply Voltage		5V
Current Consumption		15mA max.
Operating Temperature Range		0~60°C
RF Output Impedance		75Ω

Electrical Specifications

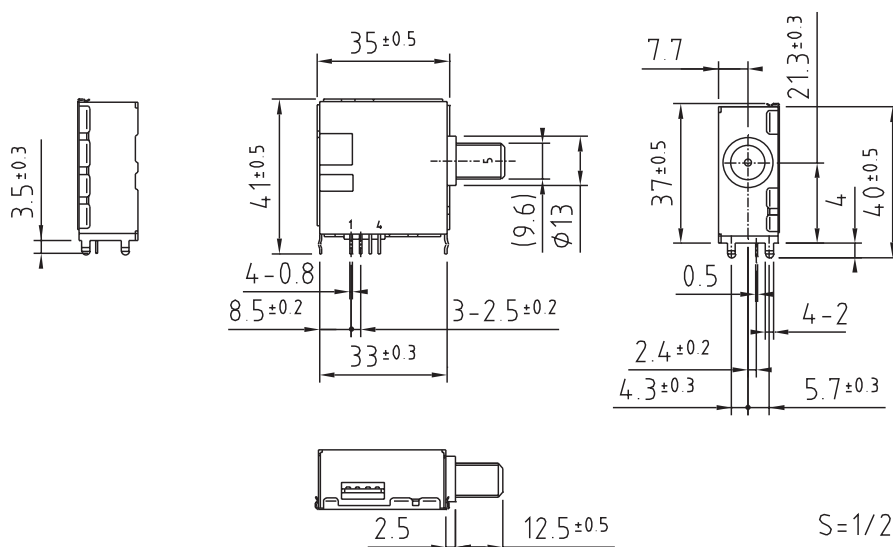
Video Carrier Output	69^{+2}_{-3} dB μ
Video Carrier Frequency	55.250 61.250 MHz
Video Percent Modulation	$81.25 \pm 10\%$
Output V.S.W.R.	3 max.
Spurious Signals within Assigned Band	60dB max.
Other Spurious Signals	-30dB max.
Audio Sub-Carrier Frequency	4.500 ± 0.008 MHz
Audio FM Deviation	50 ± 10 kHz
Video to Audio Level Ratio	12 ± 3 dB
Video Carrier Frequency Drift vs. Ambient Temperature	± 0.150 MHz
Audio Sub-Carrier Frequency Drift vs. Ambient Temperature	± 0.020 MHz
Video Signal Input Waveform	2.248Vp-p
Audio Signal Input Waveform	1.0Vp-p

*Specifications may be changed without notice.

*0~55°C

DIMENSIONS

Unit : mm, General tolerance : ± 1.0



TERMINALS

1. VIDEO SIG. INPUT
 2. CHANNEL SELECT
 3. AUDIO SIG. INPUT
 4. +B
 5. RF OUTPUT
- Case : GROUND

NOTE : CHANNEL SELECT

+B	3CH
GROUND	2CH