

Active Distribution Components



USM Series VSM-3/4S

Consumer Audio-Video RF Modulators Channel 3/4 Consumer Audio-Video Modulator

- Low-cost channel 3/4 auto switching A/V Modulator connects DVD, VCR, Satellite, Security video or other Video Equipment to standard TV sets with F-type RF only input connectors (**VSM-3/4S**)
- Single (USM-8D) and Triple (USM-20D3) low cost UHF A/V Agile Modulator, UHF band channels 14~83, CATV channels 65~139
- High Output 20dBmV minimum, 25 dBmV typical provides ample signal for multiple consumer devices (**USM-20D3**)
- High Output 7dBmV minimum 10 dBmV typical provides ample signal for multiple consumer devices (**USM-8D**)

Specifications

OUTPUT FREQUENCY RANGE

VSM-3/4S	Channel 3 or 4
USM-20D3	470~890MHz
USM-8D	470~890MHz
Tuning	Agile

RF OUTPUT LEVEL (MIN)

VSM-3/4S	5dBmV
USM-20D3	22dBmV
USM-8D	11dBmV
RF A/V Ratio	-16dB

SPURIOUS OUTPUT

VSM-3/4S	36dB
USM-20D3	42dB
USM-8D	46dB

Frequency Stability

±10kHz

Video Input Type

Clamped negative sync

Video Input Bandwidth

4.2MHz

Video Input Level

1 Vp-p

Video Input Range

.5~1 Vp-p

VIDEO FREQUENCY

Response	±1.5dB
Video Hum and Noise	-60dB
Audio Input Type	Monaural baseband
Audio Input Level	0.5 Vp-p

AUDIO FREQUENCY

Response	50~15,000Hz
Audio Pre-emph.	75 µsec
Video Input Conn.	RCA-Fem
Audio Input Conn.	RCA-Fem
RF Output Conn.	75½ F-Fem
Voltage Input	115VAC

DIMENSIONS

VSM-3/4S	5.9" (L) x 3" (D) x 1.4" (H)
USM-20D3	5.6" (L) x 1.1" (D) x 3.9" (H)
USM-8D	3.4" (L) x 1.1" (D) x 3.75" (H)

WEIGHT

VSM-3/4S	1 lb.
USM-20D3	1.75 lb.
USM-8D	1.15 lb.

Ordering Information

VSM-3/4S	Consumer Audio-Video RF Modulator
USM-20D3	UHF Consumer Agile Triple Audio-Video RF Modulator (UHF: Ch. 14~83, CATV: Ch. 65~139)
USM-8D	UHF Consumer Agile Audio-Video RF Modulator (UHF: Ch. 14~83, CATV: Ch. 65~139)

Specifications Subject to Change Without Notice © Copyright 2011 Pico Digital, Inc. Rev. 02/11