

TECHNICAL DATA AND SPECIFICATIONS

DRAKE VMM860AG AGILE MODULATOR 1002469A

INPUT

Video Connector:	"F" Female
Impedance:	75Ω
Return Loss:	24dB
Input Level:	1.0 volt peak-to-peak (87.5% depth of modulation)
Frequency Response:	1.0 dB peak-to-valley (fv to fv+4.2 MHz)
Peak-to-Peak Video-to-RMS Hum Ratio:	65 dB
Signal-to-Noise Ratio:	62 dB (weighted; 4 MHz bandwidth)
Differential Gain:	2.0% (87.5% depth of modulation)
Differential Phase:	1.0 degree (87.5% depth of modulation)
Mono Audio (standard):	
Connector:	RCA
Input Impedance:	Greater than 10Ω, unbalanced
Input Level:(for 25 KHz deviation)	0.5 - 4.0 volt peak-to-peak (constant AGC range)
Frequency Range:	50 Hz to 15 kHz
Frequency Response:	± 1 dB
Total Harmonic Distortion:	1% @ 25 kHz deviation
Signal-to-Noise Ratio:	66 dB

OUTPUT

Connector:	"F" female
Impedance:	75 Ω
Return Loss:	12 dB
Frequency Range:	54 to 860Hz (NTSC CATV Ch.2-135)
Power Level:	+45 dBmV
Power Level Range:	10 dB continuously adjustable
Carrier-to-Noise: (In Channel)	63 dB
Broadband Noise:	-75 dBc (@+45 dBmV output level, 4 MHz bandwidth)
Spurious Outputs:	-60 dBc
Aural/Visual Carrier Ratio:	-11 to -19 dB continuously adjustable
4.5 MHz Aural Inter-carrier Freq. Tolerance:	±150 Hz: 77° (25°C)
Visual Carrier Frequency Tolerance	
Standard Channels:	±10 kHz: 32 to 122°F (0 to 50°C)
FCC Aeronautical Channels:	±5 KHz: 32 to 122°F (0 to 50°C)

Alarms/Monitoring/Control

FRONT-PANEL INDICATOR

Channel No. & Mode	2-Digit Red LED Display
Plus+100 Channel	Red LED
Video Over-Modulation	Red LED
Audio Over-Modulation:	Red LED
Stereo:	Green LED

FRONT PANEL CONTROLS

Output Level:	Potentiometer
Video Level:	Potentiometer
Audio Level:	Potentiometer
Aural Carrier Level:	Potentiometer

GENERAL

Dimensions: (W x D x H)	1.0 x 7.78 x 3.5 inches (25 x 198 x 89 mm)
Power Dissipation:	~ ~ 5 W (max. per Module)
Weight:	0.8 lbs (0.36 kg)
Operating Temperature:	32 to 122° F (0 to 50° C)
Storage Temperature:	-13 to 158° F (-25 to 70° C)
Operating Humidity:	0 to 95% RH @ 35 °C max, non-condensing
Storage Humidity:	0 to 95% RH @ 35 °C max, non-condensing

Specifications, price, and availability are subject to change without notice or obligation.