



EON Instrumentation Inc.

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May 29, 2011

Product Data Sheet

Name: Video Switcher

Model Number: VSA-103

Part Number: 12929-300

(Used in conjunction with Video
Selector Switch P/N 12933-300)



General

The VSA-103 is a Six Camera In, Six Monitor Position Out Video Switcher. Each of six output positions can select any of the input cameras by the use of a six position Rotary Selector Switch. The system is operated with nominal 28 VDC input power. Input and output impedance is 75 ohms with Unity Gain.

Configuration

See attached Outline and Mounting Drawing.

Specifications for Standard Unit

Signal Input: 75 ohm Video

Signal Output: 75 ohm Video

Gain: Unity

Finish (except for screws and connectors): CARC White Paint, Black Lettering

Base Conformal Coat

Input Voltage: 18-36 VDC

Power Dissipation: 10 Watts (nominal)

Weight: 2.5 lbs (nominal)

Meets (Qualifications by testing, Data available upon request):

Power: Mil-Std-1275D

EMI: Mil-Std-461D

Temperature:

Operating: -40 to +44C

Storage: -40 to +63C

Shock:

MIL-STD-810E Figure 516.4-1

Operating: 40 G's

Random Vibration (40 minutes ea axis, Operational):

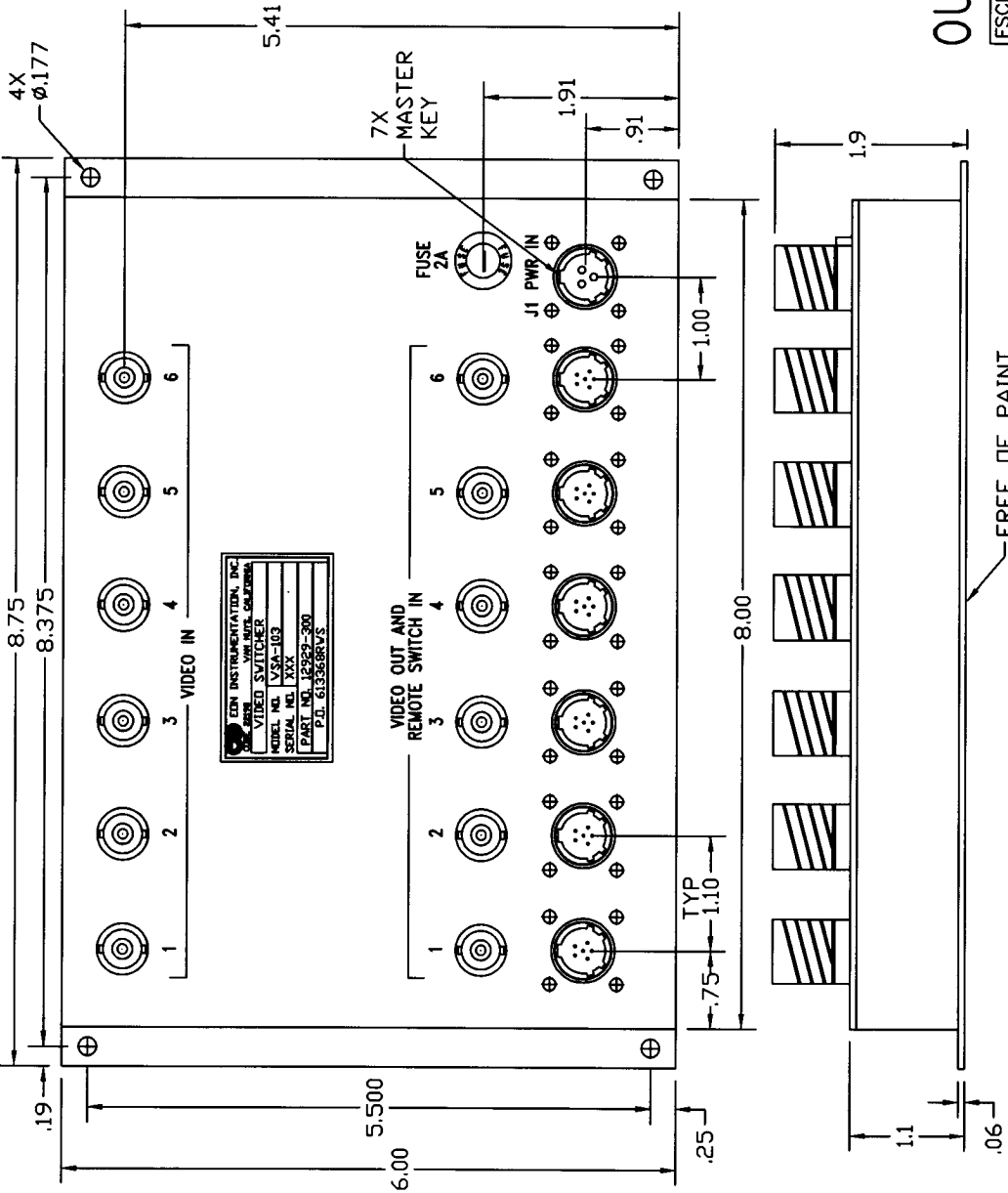
Vertical Axis 5-500 Hz, 2.21 G's RMS

Transverse Axis 5-500 Hz, 1.61 G's RMS

Longitudinal Axis 5-500 Hz, 1.93 G's RMS

Rapid Decompression:

MIL-STD-810E Method 500.3 Para II-3.3 Procedure III



J1 PWR IN P/N D38999/20WA98PN

PIN #	SIGNAL
A	+ 28 VDC IN
B	+28 VDC RETURN
C	CHASSIS GND

BNC VIDEO INPUTS

BNC #	SIGNAL
1-6	VIDEO INPUTS

BNC VIDEO OUTPUTS

BNC #	SIGNAL
1-6	VIDEO OUTPUTS

REMOTE VIDEO SELECT SW 1-6
D38999/20WA35SN
OCTAL INPUT

PIN #	SIGNAL
1	BCD COMMON
2	BCD 2
3	N/C
4	BCD 4
5	BCD 1
6	N/C

ROTARY SWITCH TRUTH TABLE

SWITCH POSITION	BCD SHORT TO COMMON			
	1	2	4	
1				
2	X			
3		X		X
4			X	X
5				X
6	X	X	X	X

OUTLINE & MOUNTING

FSCM NO.	22198
UNLESS OTHERWISE SPECIFIED	
TOLERANCES:	
DECIMAL:	.X ± .1 .XX ± .02 .XXX ± .005
ANGLES:	± 1.0 [mm]
UNITS:	INCHES [mm]
FORMAT:	ACAD R12C2
SCALE:	NONE

EON INSTRUMENTATION INC. 15531 CABRITO RD, VAN NUYS, CA 91406 (818)781-2187 FAX (818)781-3116	
DRW NO:	12929-300
DRW TITLE:	O&M, VIDEO SWITCHER VSA-103
DRAWN BY:	JCS
DATE:	8/12/08
FILE NO:	12929-300.DWG
REV:	G
SHEET:	1 OF 1

- NOTES:
1. INPUT POWER: 28 VDC, 10 WATTS NOMINAL
 2. FINISH: EXCEPT FOR SCREWS AND CHASSIS BOTTOM, CARC WHITE PAINT, BLK LETTERING
 3. WEIGHT: 2.5 LB NOMINAL