

FEATURES:

- 4.3 - 5.3 GHz FREQUENCY RANGE
- HIGH SENSITIVITY
- MULTIPLE SIGNAL HANDLING
- TTL COMPATIBLE
- 300 nS PROCESSING TIME
- 0.25 MHz FREQUENCY ACCURACY



AKON is a leading manufacturer of RF/microwave components and subsystems for military, space and commercial applications. AKON's product line includes high reliability, custom integrated microwave assemblies, DFD receivers, microwave receiver front-ends, RF switching matrices, frequency synthesizers, custom LO assemblies, frequency converters, RF switches, digitally controlled attenuators, miniature RF filters and switches, and microwave amplifiers covering 2.0 - 18.0 GHz frequency range (up to 40.0 GHz for some applications). AKON is qualified to MIL-I-45208 Quality System Requirements by agencies of the U.S. Department of Defense and by leading foreign and domestic military OEMs. All specifications are valid over the full operating temperature unless otherwise indicated.

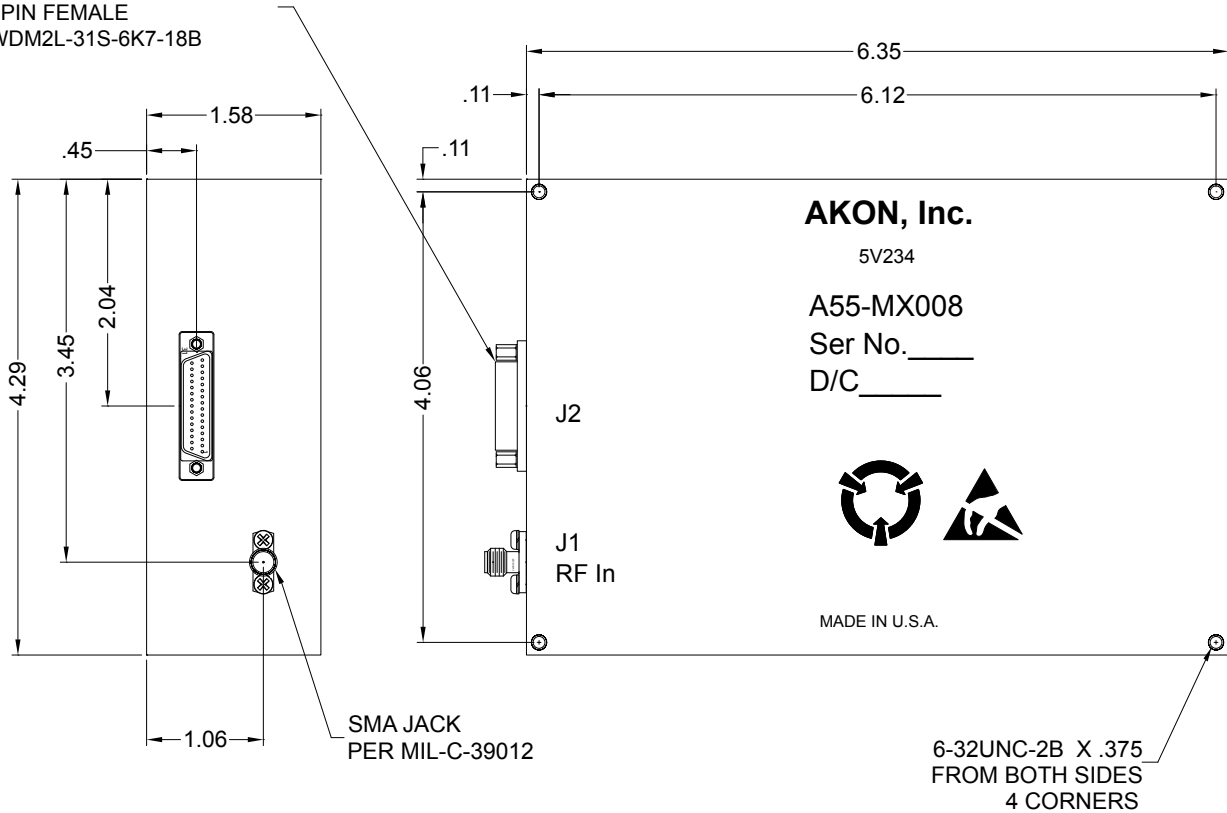
SPECIFICATIONS:

Model Number	A55-MX008
Frequency Range (GHz)	4.3 - 5.3
Unambiguous Frequency Range (GHz)	3.9 - 5.8
Frequency Resolution (MHz)	0.125 (14 bits)
Frequency Accuracy (MHz RMS)	0.25
Trigger	Internal & External
Sensitivity (dBm)	-55
Dynamic Range (dB)	50
Processing Time (ns)	300 (from RF leading edge)
Pulse Width Range (ns)	100 to CW
Binary Zero (MHz)	3776
Frequency Value	3776 + output data(decimal equivalent)* 0.125 MHz
Data for input frequency < 4290 MHz	3FFF (hex)
Data for input frequency > 5310 MHz	3FFF (hex)
Input RF SNR (dB)	25
External Trigger	TTL pulse 100 nS
Flags	1) CW Flag: TTL High if CW signal is detected 2) Signal Present: 100 nS pulse output with 100 nS delay
Power Supply (VDC)	+15V, -15V and +5V
Operating Temperature (°C)	10 to 40

Note: All dimensions are specified in inches (mm)

OUTLINE DRAWING:

MICRO-D CONNECTOR
31 PIN FEMALE
MWDM2L-31S-6K7-18B



J2 CONNECTOR CHART	
PIN #	FUNCTION
1	F0 (LSB)
2	F1
3	F2
4	F3
5	F4
6	F5
7	F6
8	F7
9	F8
10	F9
11	F10
12	F11
13	+5V
14	EXT. TRIGGER
15	DATA READY
16	DATAACK INPIUT

J2 CONNECTOR CHART (Cont'd)	
PIN #	FUNCTION
17	SIG. PRESENT
18	N/C
19	+15V
20	-15V
21	+15V RTN
22	N/C
23	-15V RTN
24	EXT TRIG RTN
25	+5V RTN
26	C.W. FLAG
27	F13 (MSB)
28	F12
29	READ SELECT
30	SPARE
31	SPARE