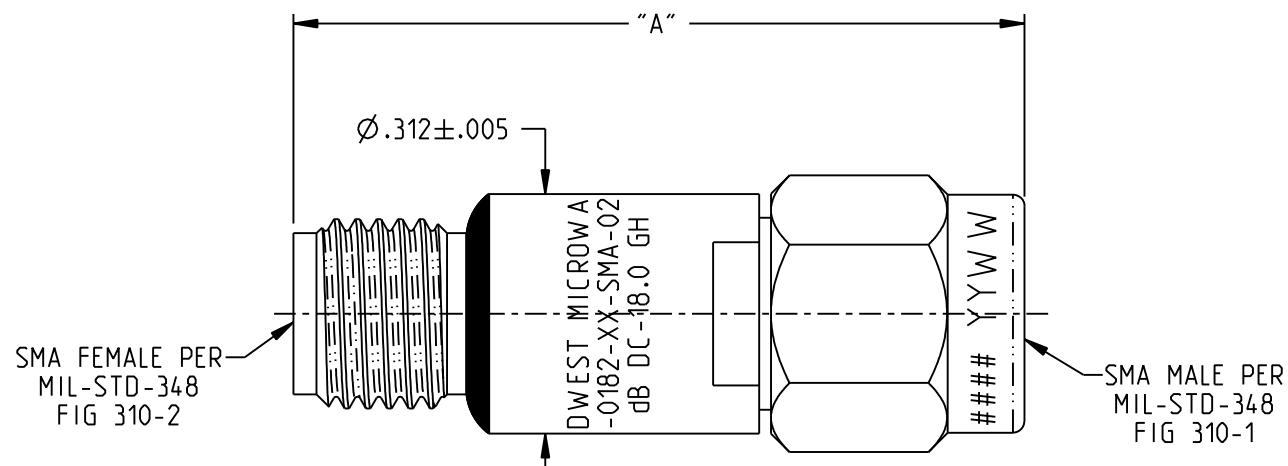


ATTENUATION VALUE	"A"
0-12.5 dB	.95
13-20 dB	1.08

REV	ECO	DATE
001	57705	9/30/2020



NOTES: UNLESS OTHERWISE SPECIFIED.

1. MATERIAL & FINISH: SEE SHEET 2

2. SPECIFICATIONS:

2.1 FREQUENCY: RANGE: DC - 18.0 GHz

2.2 IMPEDANCE (NOMINAL): 50 OHMS

2.3 VSWR (MAX) BOTH ENDS: 1.07 + .015F (GHz)

2.4 ATTENUATION ACCURACY:

2.4.1 0 dB: +0.3/-0 dB

2.4.2 0.5-6 dB: ±0.3 dB

2.4.3 6.5-12 dB: ±0.5 dB

2.4.4 12.5-20 dB: ±0.7 dB

2.5 INPUT POWER (MAX):

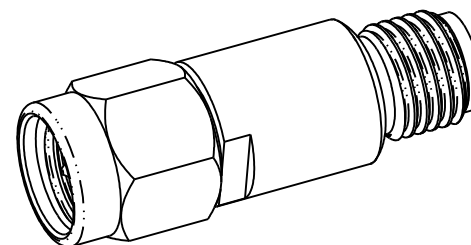
2.5.1 AVERAGE: 2 WATTS AT 25°C DERATED LINEARLY TO 0.5 WATTS AT 125°C

2.5.2 PEAK: 500 WATTS FOR A DUTY CYCLE OF 5X10⁻⁴ MAX PULSE DURATION OF 5 MICROSECONDS.

3. OPERATING TEMP. RANGE: -55°C TO +125°C

4. WEIGHT (MAX): 0.5 OZ

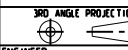
5. SCREENING PARAMETERS PER ATP-09417-60-02, LEVEL A.



NOTICE: The information in this drawing is PROPRIETARY and must not be used without the permission of Cinch Connectivity Solutions. It may contain data whose export is restricted. Verify status prior to exporting. INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2018	Model No:	SQA-0182-XX-SMA-02		MIDWEST MICROWAVE	
	RoHS2	34078		Title:	
	2015/863/EU	3RD ANGLE PROJECTION		SPACE ATTENUATOR, 0-20 dB	
	UNLESS OTHERWISE SPECIFIED UNITS: INCH	ENGINEER: J. KEREKES		Drawing No.	REV.
	.XX ±.02	Date: 9/30/2020		SQA-0182-XX-SMA-02-01	001
	.XXX ±.010	Size A		DO NOT SCALE DRAWING	SEE NOTE 5
	ANGLES ±2°	Workmanship Std.		1 OF 2	

REV	ECO	DATE
001	57705	9/30/2020

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/OUTGASSING
1	1	COUPLING NUT	STAINLESS STEEL PER ASTM-A582, TYPE 303	PASSIVATED PER SAE AMS2700, METHOD 2
2	1	GASKET	VITON A FLUOROELASTOMER PER SAE AMS7276	N/A
3	1	RETAINING RING	BERYLLIUM COPPER PER ASTM-B197, ALLOY C172	N/A
4	1	SMA MALE CONTACT	BERYLLIUM COPPER PER ASTM-B196, ALLOY C173	50 MICROINCHES MIN GOLD PLATE PER ASTM-B488, TYPE II, GRADE C, CLASS 1.27
5	2	DIELECTRIC	PTFE TYPE 1, GRADE 1, CLASS B, PER ASTM D 1710	N/A
6	1	SMA MALE HOUSING	STAINLESS STEEL PER ASTM-A582, TYPE 303	PASSIVATED PER SAE AMS2700, METHOD 2
7	2	SHIM	STAINLESS STEEL PER ASTM-A582, TYPE 303	PASSIVATED PER SAE AMS2700, METHOD 2
8	2	BUSHING	STAINLESS STEEL PER ASTM-A582, TYPE 303	PASSIVATED PER SAE AMS2700, METHOD 2
9	2	EDGE SPRING	BERYLLIUM COPPER PER ASTM-B194, ALLOY C172	20 MICROINCHES MIN GOLD PLATE PER ASTM-B488, TYPE II, CLASS 0.5, GRADE B OR C.
10	1	CARD SPACER	BERYLLIUM COPPER PER ASTM-B196, ALLOY C173	20 MICROINCHES MIN GOLD PLATE PER ASTM-B488, TYPE II, CLASS 0.5, GRADE B OR C.
11	1	RESISTOR CARD	TANTALUM NITRIDE THIN FILM OVER ALUMINUM NITRIDE CERAMIC	40 MICROINCHES MIN GOLD SPUTTERED TERMINALS PER MIL-G-45204, TYPE III, GRADE A
12	2	CENTER PLUNGER	BERYLLIUM COPPER PER ASTM-B194, ALLOY C172	20 MICROINCHES MIN GOLD PLATE PER ASTM-B488, TYPE II, CLASS 0.5, GRADE B OR C.
13	2	PLUNGER SPRING	BERYLLIUM COPPER PER ASTM-B194, ALLOY C172	50 MICROINCHES MIN GOLD PLATE PER ASTM-B488, TYPE II, GRADE C, CLASS 1.27
14	1	SMA FEMALE HOUSING	STAINLESS STEEL PER ASTM-A582, TYPE 303	PASSIVATED PER SAE AMS2700, METHOD 2
15	1	SMA FEMALE CONTACT	BERYLLIUM COPPER PER ASTM-B196, ALLOY C173	50 MICROINCHES MIN GOLD PLATE PER ASTM-B488, TYPE II, GRADE C, CLASS 1.27
16	2	SUPPORT BEAD	ULTEM 1000 PER ASTM D7293 S-PEI0111	N/A
17	A/R	EPOXY SEAL	3M SCOTCH-WELD 2214 NMF (1-HOUR CURE @ 125°C)	TML%=0.77, CVCM%=0.02
18	A/R	BLACK MARKING INK	VIDEOJET 16-5900 (1-HOUR MIN CURE @ 175 °C)	TML%=0.74, CVCM%=0.04

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	RoHS2	☒	2015/863/EU	Cage Code	34078
	UNLESS OTHERWISE SPECIFIED UNITS: INCH			Title: SPACE ATTENUATOR, 0-20 dB	
	.XX ±.02 .XXX ±.010 ANGLES ±2°	ENGINEER:	J. KEREKES		Drawing No.
	Date:	9/30/2020		Size	A
				DO NOT SCALE DRAWING	SEE NOTE 5
				Wormanship Sig.	2 OF 2
				REV.	001