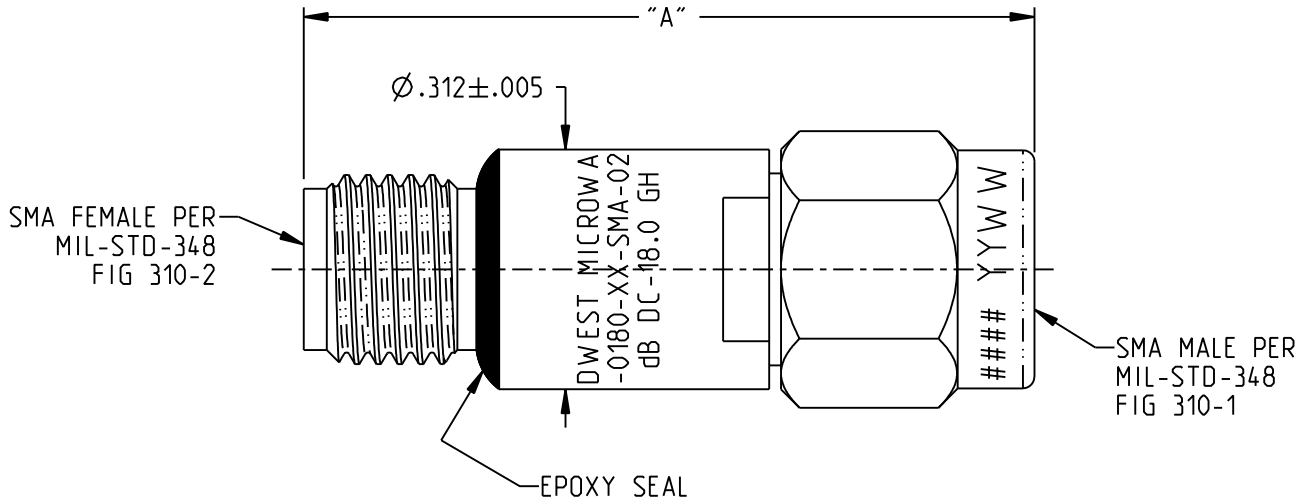
ATTENUATION VALUE	"A"
0-12.5 dB	.95
13-20 dB	1.08

REV	ECO	DATE
001	26064	5/7/2019



NOTES: UNLESS OTHERWISE SPECIFIED.

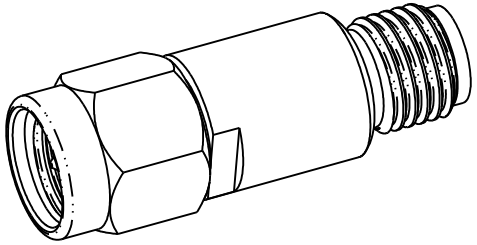
1. MATERIAL & FINISH: SEE SHEET 2

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 C.



cinch CONNECTIVITY SOLUTIONS a bel group

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INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2018

Model No: SQA-0180-XX-SMA-02

RoHS2 ☑ 2015/863/EU

Cage Code 34078

3RD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED UNITS: INCH
.XX ±.02
.XXX ±.010
ANGLES ±2°

ENGINEER: J. KEREKES

Date: 5/7/2019

MIDWEST MICROWAVE

Title: SPACE ATTENUATOR, 0-20 dB

Drawing No. SQA-0180-XX-SMA-02-01

REV. 001

Size A | DO NOT SCALE DRAWING | Workmanship Std: SEE NOTE 5 | Sheet 1 OF 2

REV	ECO	DATE
001	26064	5/7/2019

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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INTERPRET DRAWING IN ACCORDANCE WITH ASME Y14.5-2018

Model No: SQA-0180-XX-SMA-02-01

RoHS2 ☑ 2015/863/EU

Cage Code 34078

3RD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED UNITS: INCH
.XX ±.02
.XXX ±.010
ANGLES ±2°

ENGINEER: J. KEREKES

Date: 5/7/2019

MIDWEST MICROWAVE

Title: SPACE ATTENUATOR, 0-20 dB

Drawing No. SQA-0180-XX-SMA-02-01

REV. 001

Size A | DO NOT SCALE DRAWING | Workmanship Std: SEE NOTE 5 | Sheet 2 OF 2