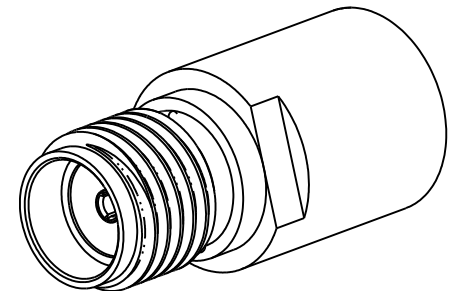
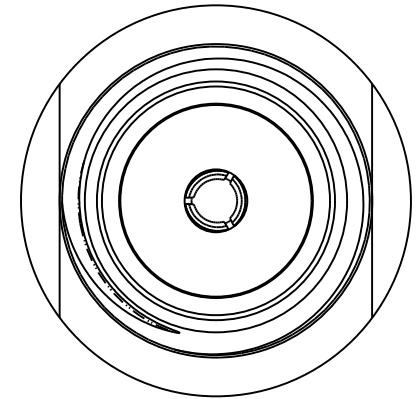
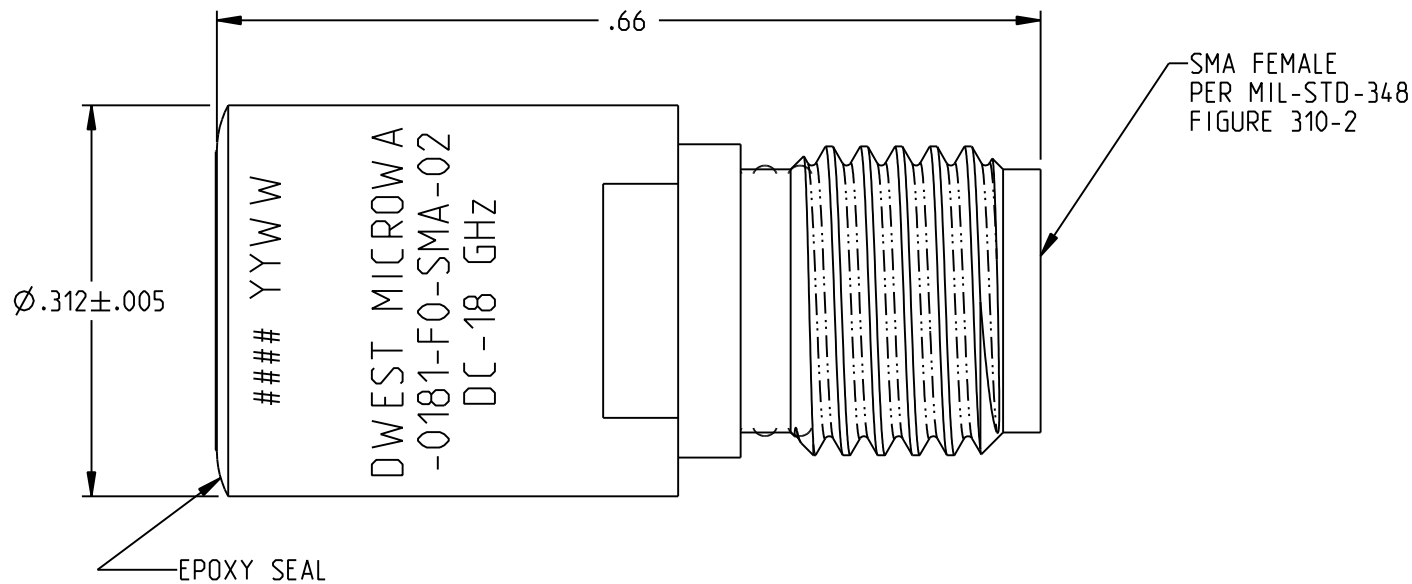


REV	ECO	DATE
001	58544	03/08/2023



NOTES: UNLESS OTHERWISE SPECIFIED.

1. MATERIALS & FINISH: SEE SHEET 2

2. ELECTRICAL SPECIFICATIONS:

2.1 FREQUENCY RANGE: DC-18 GHz

2.2 IMPEDANCE: 50 OHMS NOMINAL

2.3 VSWR (MAX): 1.05 ± 0.01 (GHz)

2.4 POWER HANDLING CAPABILITY:

2.4.1 AVERAGE: 0.5 WATTS MAX AT 25°C
DERATED LINEARLY TO 0.125 WATTS
AT 125°C

2.4.2 PEAK: 50 WATTS

2.5 OPERATING TEMPERATURE RANGE: -55°C TO 125°C

2.6 WEIGHT (MAX): .25 oz

3. SCREENING PARAMETERS PER ATP-09418-60-02, LEVEL B.

 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:	SQT-0181-F0-SMA-02		MIDWEST MICROWAVE	
	RoHS2 ☒ 2015/863/EU	Cage Code	34078	Title: SPACE TERMINATION	
	UNLESS OTHERWISE SPECIFIED UNITS: INCH	3RD ANGLE PROJECTION	ENGINEER: J. KEREKES	Drawing No.	REV.
	.XX ±.02 .XXX ±.010 ANGLES ±2°	Date: 02/09/2023	SQT-0181-F0-SMA-02-01	001	1 OF 2

REV	ECO	DATE
001	58544	03/08/2023

ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/OUTGASSING
1	1	DIELECTRIC	PTFE TYPE 1, GRADE 1, CLASS B, PER ASTM D 1710	N/A
2	1	SHIM	STAINLESS STEEL PER ASTM-A582, TYPE 303	PASSIVATED PER SAE AMS2700, METHOD 2
3	1	BUSHING	STAINLESS STEEL PER ASTM-A582, TYPE 303	PASSIVATED PER SAE AMS2700, METHOD 2
4	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.
5	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.
6	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
7	1	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.
8	1	PLUNGER SPRING	BERYLLIUM COPPER PER ASTM-B194, ALLOY C172	50 MICROINCHES MIN GOLD PLATE PER ASTM-B488, TYPE II, GRADE C, CLASS 1.27
9	1	SMA FEMALE HOUSING	STAINLESS STEEL PER ASTM-A582, TYPE 303	PASSIVATED PER SAE AMS2700, METHOD 2
10	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
11	1	SUPPORT BEAD	ULTEM 1000 PER ASTM D7293 S-PEI0111	N/A
12	1	END PLUG	STAINLESS STEEL PER ASTM-A582, TYPE 303	PASSIVATED PER SAE AMS2700, METHOD 2
13	A/R	EPOXY SEAL	3M SCOTCH-WELD 2214 NMF (1-HOUR CURE @ 125°C)	TML%=0.77, CVCM%=0.02
14	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	☒	Cage Code	34078	
	2015/863/EU		3RD ANGLE PROJECTION	Title: SPACE TERMINATION	
	UNLESS OTHERWISE SPECIFIED UNITS: INCH		ENGINEER:	Drawing No.	
.XX ±.02		J. KEREKES	SQT-0181-F0-SMA-02-01		REV. 001
.XXX ±.010		Date:	02/09/2023		
ANGLES ±2°		Size	A	DO NOT SCALE DRAWING	2 OF 2