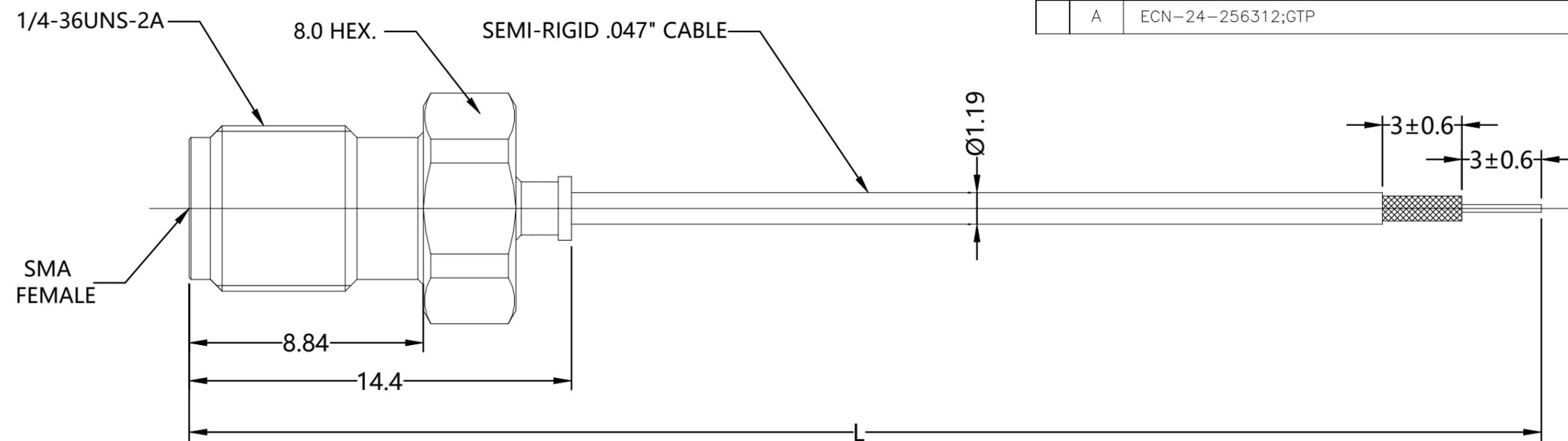


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	ECN-24-256312;GTP	18MAR2024	TP	WH

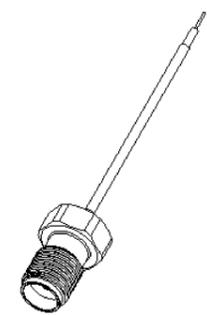


NOTES:

- 1 ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED;
- 2 ELECTRICAL CHARACTERISTICS :
 FREQUENCY RANGE : DC-20 GHz
 NOMINAL IMPEDANCE : 50 OHMS
 INSULATION RESISTANCE : 5000 MOHMS
 WORKING VOLTAGE : 333 VRMS MAX
 DIELECTRIC WITHSTANDING VOLTAGE : >1000 VOLTS
- 3 MECHANICAL CHARACTERISTICS :
 DURABILITY : >500 CYCLES
 CABLE RETENTION FORCE ; >10lbs
 CABLE STATIC BENDING RADIUS : >4.2MM
- 4 TEMPERATURE RANGE: -50°-+100°;
- 5 RoHS: COMPLIANT.
- 6 CONNECTOR SIDE A
 CENTER CONTACT: BERYLLIUM COPPER, 30 MICROINCHES GOLD PLATED, 100 MICROINCHES OVER NICKEL UNDERPLATED 50 MICROINCHES OVER COPPER UNDERPLATED.
 INSULATION: PTFE.
 BODY: BRASS, 3 MICROINCHES GOLD PLATED, 100 MICROINCHES OVER NICKEL UNDERPLATED, 50 MICROINCHES OVER COPPER UNDERPLATED.
- 7 CABLE SEMI-REGID 0.047"
 (DETAIL REFER TO SHEET 2)

TEPN	L(mm)	IL(MAX)	VSWR
2480662-1	50±3	<0.115dB @1GHz <0.270dB @10GHz <0.360dB @20GHz	1.35 MAX(DC-20GHz)

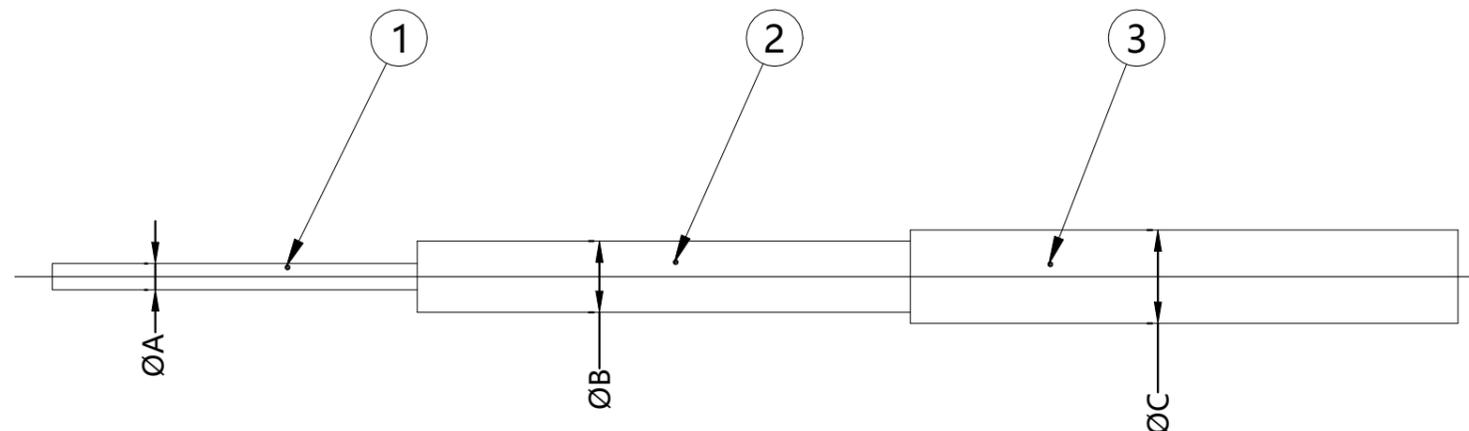
-7	-6	-5	-4	-3	-2	-1	U/N	TEPN	DESCRIPTION	ITEM
						50	mm	/	SEMI-RIGID .047" CABLE	2
						1	PC	/	SMA FEMALE CONNECTOR	1
QUANTITY PER ASSY										PARTS LIST



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 5 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± 5	DWN TP 11JAN2024 CHK ED 11JAN2024 APVD WH 11JAN2024	TE Connectivity	
MATERIAL SEE TABLE	FINISH -	PRODUCT SPEC SEE NOTES	NAME SMA F St BHD to Open Semi-rigid .047	
		APPLICATION SPEC -	SIZE A3	CAGE CODE 00779
		WEIGHT 0	DRAWING NO C-2480662	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 1:1	SHEET 1 OF 2
			REV A	

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



NOTES:
Attenuation
(20°C room temperature test conditions)

Frequency (GHz)	Attenuation (dB/m)
0.5	0.79
1.0	1.13
5.0	2.59
10	3.74
20	5.44

Electrical energy parameters

Capacitance (pF/m)	95.1
Impedance (ohm)	50
Extinguishing voltage (KVrms@60Hz)	1.0
Cut-off frequency (GHz)	109
Insulation resistance (KVrms@60Hz)	2.0

Mechanical parameters

Min.bending radius static (mm)	4.20
Outer conductor's thermotolerance (°C)	175
Operating temperature range (°C)	-55~125

NO.	DESCRIPTION	MATERIAL	DIAMETER(mm)
3	Outer conductor	Tinned (alloyed) red copper pipes	ØC=1.19±0.02
2	Insulation	PTFE	ØB=0.94±0.10
1	Inner conductor	Silverplated copper clad steel wire	ØA=0.29±0.05

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TP 11JAN2024	TE Connectivity		
DIMENSIONS: mm		CHK ED 11JAN2024			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD WH 11JAN2024	NAME SMA F BHD to Open Semi-rigid .047		
0 PLC ± 5 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± 5		PRODUCT SPEC	-		
MATERIAL SEE TABLE		FINISH -	APPLICATION SPEC -		
		WEIGHT 0	SIZE A3	CAGE CODE 00779	DRAWING NO C-2480662
		CUSTOMER DRAWING		RESTRICTED TO -	
		SCALE 1:1	SHEET 2 OF 2	REV A	