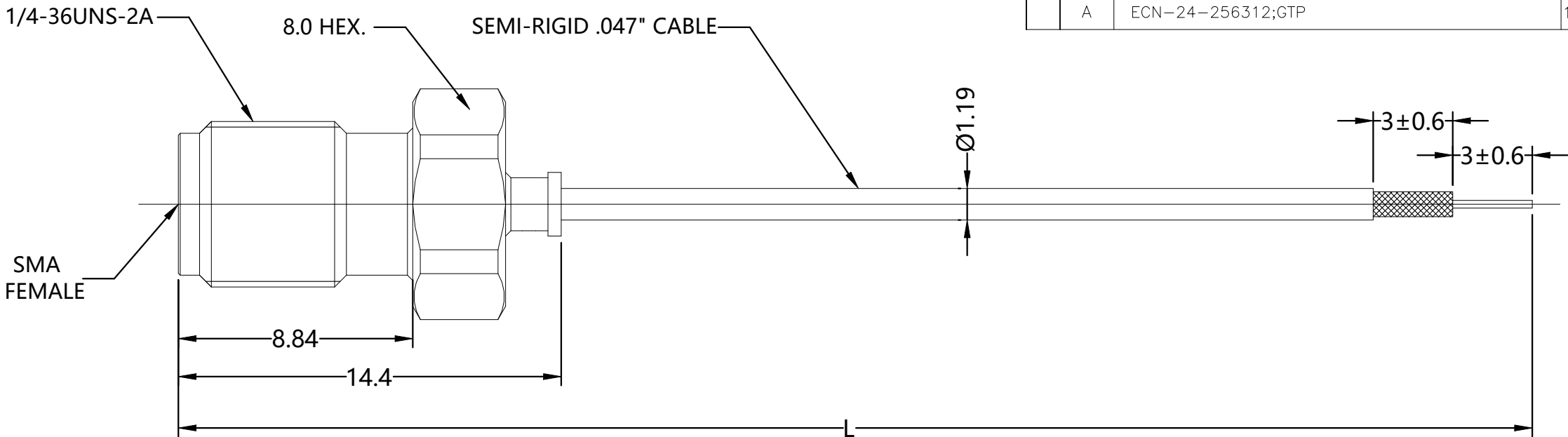


REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	ECN-24-256312;GTP	18MAR2024	TP	WH

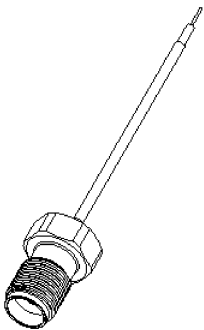


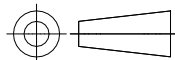
NOTES:

- 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)

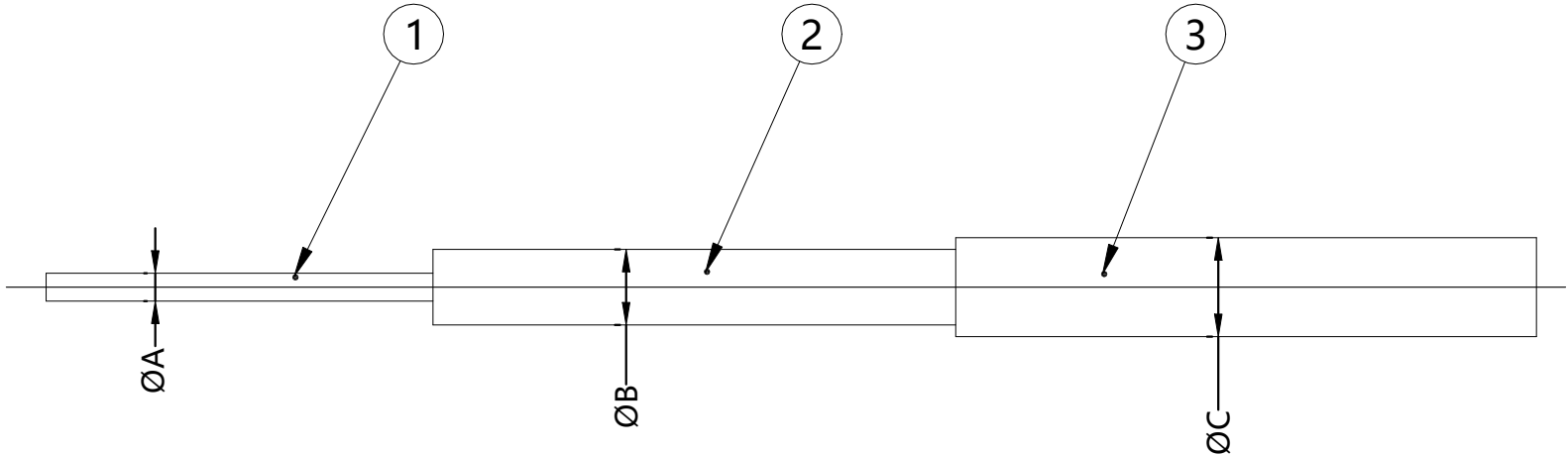
TEPN	L(mm)	IL(MAX)	VSWR
2480662-1	50±3	<0.115dB @1GHz	1.35 MAX(DC-20GHz)
		<0.270dB @10GHz	
		<0.360dB @20GHz	

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



THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN TP 11JAN2024		TE Connectivity				
				CHK ED 11JAN2024						
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 5 1 PLC ± - 2 PLC ± - 3 PLC ± - 4 PLC ± - ANGLES ± 5		APVD WH 11JAN2024		NAME SMA F St BHD to Open Semi-rigid .047				
				PRODUCT SPEC		—				
				SEE NOTES		—				
				APPLICATION SPEC						
				—						
MATERIAL SEE TABLE		FINISH —		WEIGHT 0		SIZE A3	CAGE CODE 00779	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

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
NO.	DESCRIPTION	MATERIAL	DIAMETER(mm)

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

MATERIAL
SEE TABLE

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± 5

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± 5

FINISH -

DWN TP 11JAN2024

CHK ED 11JAN2024

APVD WH 11JAN2024

PRODUCT SPEC

APPLICATION SPEC

WEIGHT 0

CUSTOMER DRAWING

TE Connectivity

NAME
SMA F BHD to Open Semi-rigid .047

SIZE A3

CAGE CODE 00779

DRAWING NO C-2480662

RESTRICTED TO -

SCALE 1:1

SHEET 2 OF 2

REV A

1470-19 (1/15)

Mouser Electronics

Authorized Distributor

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[2480662-1](#)