

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A1	ECN-25-324173	28MAY2025	TP	ZI

NOTES:

ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED;

ELECTRICAL CHARACTERISTICS :

FREQUENCY RANGE : DC-12 GHz
NOMINAL IMPEDANCE : 50 OHMS
INSULATION RESISTANCE : >500 MOHMS
WORKING VOLTAGE : 60 VRMS MAX
DIELECTRIC WITHSTANDING VOLTAGE : >200 VOLTS
VSWR : <1.6@DC~8GHz
<1.8@8~12GHz

MECHANICAL CHARACTERISTICS :

DURABILITY :>500 CYCLES (SMA)
>30 CYCLES (MHF4L)
CABLE RETENTION FORCE : >1.5 Kg
CABLE STATIC BENDING RADIUS : >5 MM

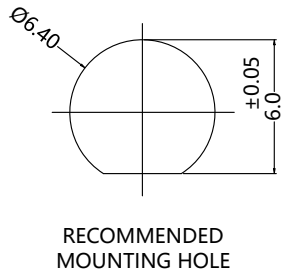
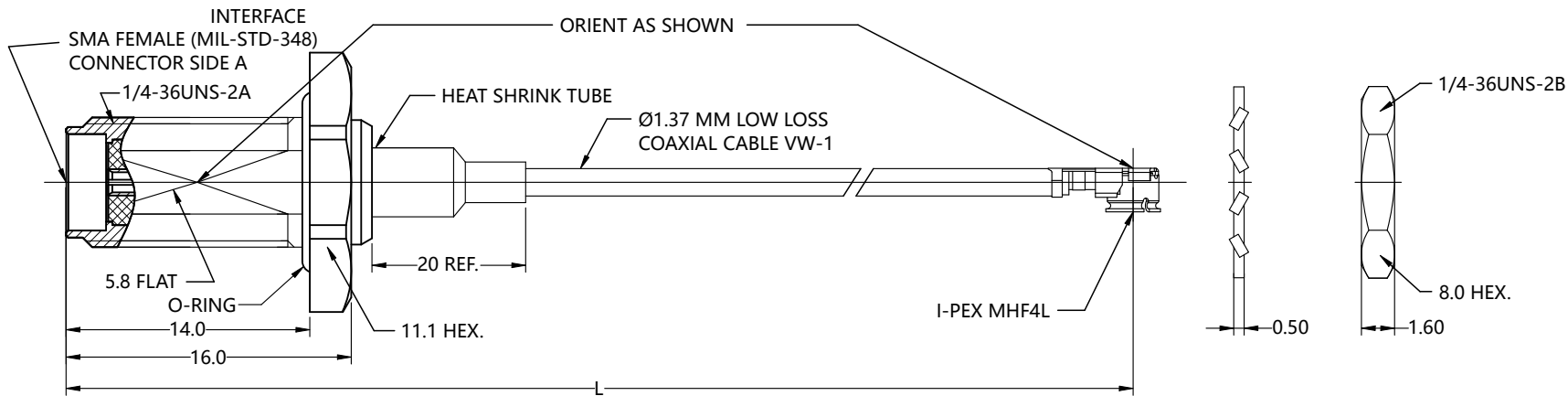
ENVIRONMENTAL PARAMETER

TEMPERATURE RANGE: -40°C TO +85°C
IP68 : WATERPROOF IN UNMATED CONDITION

RoHS: COMPLIANT.

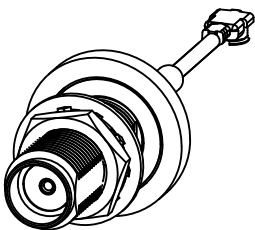
CONNECTOR SIDE A

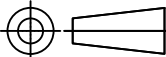
CENTER CONTACT: BERYLLIUM COPPER,
10 MICROINCHES GOLD PLATED,
100 MICROINCHES OVER NICKEL UNDERPLATED,
50 MICROINCHES OVER COPPER UNDERPLATED
INSULATION: PTFE ASTM-D-1710
BODY,FERRULE: BRASS, 10 MICROINCHES GOLD PLATED,
100 MICROINCHES OVER NICKEL UNDERPLATED,
50 MICROINCHES OVER COPPER UNDERPLATED.
NUT,WASHER: BRASS,
3 MICROINCHES GOLD PLATED,
100 MICROINCHES NICKEL PLATED,
50 MICROINCHES OVER COPPER UNDERPLATED.
O-RING: SILICONE (RED)



			1	1	1	PC	/	MHF4L CONNECTOR	3
						mm	/	Ø1.37 MM LOW LOSS C-CABLE VW-1	2
			1	1	1	PC	/	SMA FEMALE CONNECTOR	1
			-3	-2	-1	U/N	TEPN	DESCRIPTION	ITEM
QUANTITY PER ASSY						PARTS LIST			

TEPN		L(mm)	INSERTION LOSS	
2502033-1		100±5	<1.10 dB@8GHz	<1.55 dB@12GHz
2502033-2		200±5	<1.70 dB@8GHz	<2.50 dB@12GHz
2502033-3		300±5	<2.35 dB@8GHz	<3.30 dB@12GHz



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TP 18MAR2025	 TE Connectivity		
		CHK TP 18MAR2025			
DIMENSIONS: mm		APVD WK 18MAR2025	NAME SMA JACK BHD IP68 TO MHF4L 1.37LL		
		PRODUCT SPEC			
		APPLICATION SPEC			
MATERIAL SEE NOTED		WEIGHT -	SIZE A3	CAGE CODE 00779	RESTRICTED TO -
		FINISH -	DRAWING NO C=2502033		
CUSTOMER DRAWING			SCALE 1:1	SHEET 1 OF 1	REV A1