MHF®-A

1.13 mm OD, 低高度设计, 支持 6 可达GHz

	Product Specifications:				
	Mated Heigh	it (mm max.)	1.45		
	Rece. SMT	Size (mm)	3.0 x 3.0		
	Applicable Frequency		DC ~ 6 GHz		
	Characteristic Impedance		50 ohm		
	VSWR (L=100 mm)	DC∼3 GHz	1.3 max.		
		3∼6 GHz	1.5 max.		

*加你重再	了解未列出或不在范围内的Pin数	法次沟银们

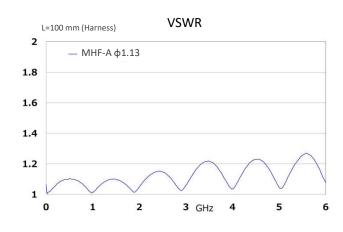
Applicable Cable Size: O.D. 1.13 mm / AWG 32

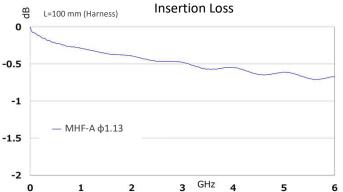
Applicable Standards (Reference Only):

5G sub-6, Wi-Fi 6, LTE/LTE-Advanced, LPWA, Bluetooth, GPS

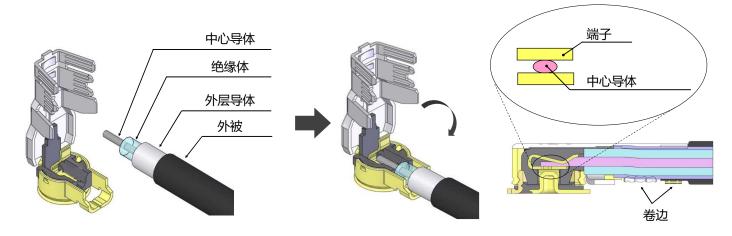


▶ 对应 6 GHz 的高性能小型连接器





▶ 使用 "i-Fit®" 技术的无需焊接极细同轴线连结

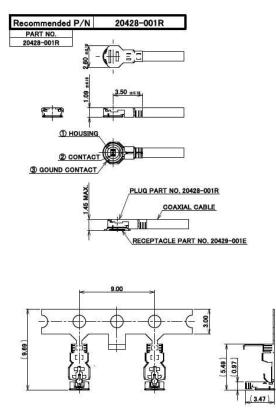


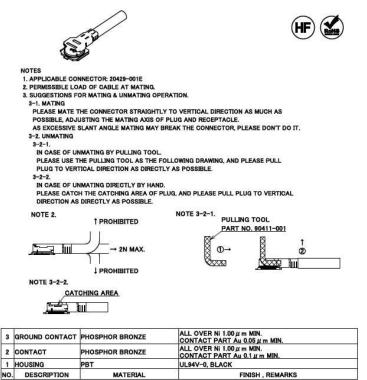
▶ MHF®-A 公座适用的极细同轴线外径 (AWG): 1.13 mm (32)

Product name		MHF®-A		MHF® 4L	
Frequency		DC – 6 GHz	DC – 12 GHz		
Mating H	Mating Height		1.7 mm max.	1.4 mm max.	1.2 mm max.
Coax O.D. (Center Conductor AWG)	1.37 mm (AWG#30)		•		
	1.13 mm (AWG#32)	•		•	
	0.95 mm (AWG#33)			•	
	0.81 mm (AWG#36)				•
	0.64 mm (AWG#36)				•
Receptacle		MHF-A receptacle	MHF 4 receptacle , MHF 4L receptacle		

Component Parts Details

Plug for Cable Assembly





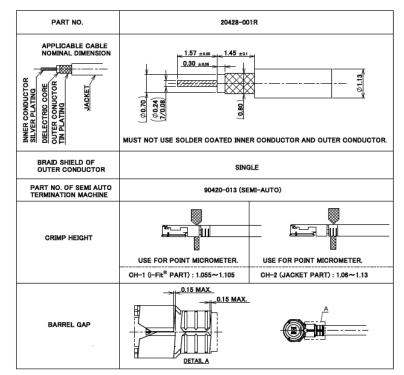


I-PEX



Plug for Cable Assembly

ITEMS	SPECIFICATION
APPLICABLE CONNECTOR PART No.	20429-001R
RATING VOLTAGE	60 V AC (R.M.S)
RATING FREQUENCY	DC∼6 GHz
OPERATING TEMPERATURE	233~363 K (−40°C~+90°C)
VSWR	1.3 MAX. AT 0.1~3 GHz, 1.5 MAX. AT 3~6 GHz
MAIN CONTACT RESISTANCE	INITIAL : 20 mohm MAX. / AFTER TEST : ∠R 20 mohm MAX.
GROUND CONTACT RESISTANCE	INITIAL : 20 mohm MAX. / AFTER TEST : ∠R 20 mohm MAX.
INSULATION RESISTANCE	INITIAL: 500 Mohm MIN. / AFTER TEST: 100 Mohm MIN.
DIELECTRIC WITHSTANDING VOLTAGE	AC 200 V 1min
DURABILITY	30 CYCLES
TOTAL MATING FORCE (INITIAL / AFTER TEST)	15 N MAX. / 15 N MAX.
TOTAL UNMATING FORCE (INITIAL / AFTER TEST)	4 N MIN. / 2 N MIN.
CRIMP STRENGTH	8 N MIN.
PRODUCT SPECIFICATION	PRS-1350
TEST REPORT	TR-07031
PACKING STANDARD	300-587
INSTRUCTION MANUAL	HIM-11001



- NOTES
 4. APPLICABLE CABLE
 4-1. DISCRIPTION

 - 4-1. DISCRIPTION
 INNER CONDUCTOR: AWG#32 (7/0.08)
 SILVER PLATING ANNEALED COPPER WIRE OR SILVER PLATING
 TIN-COPPER ALLOY.
 * MUST NOT USE SOLDER COATED INNER CONDUCTOR.
 DIELECTRIC CORE: FLUORO-PLASTICS
 DIAMETER 0.88 (+0.04/-0.02)MM,
 NOMINAL THICKNESS 0.22MM.
 OUTER CONDUCTOR: 16/4/0.05

 - NOMINAL DIAMATER 0.39MM, SILVER PLATING ANNEALED COPPER WIRE.

 * MUST NOT USE SOLDER COATED OUTER CONDUCTOR.

 JACKET: FLUORO-PLASTICS

 DIAMETER 1.13 (+0.08/-0.05)MM, NOMINAL THICKNESS 0.1MM.

 - 4-2. REQUIREMENTS
 CHARACTERISTIC IMPEDANCE: 50 (+2/-2)CHM BY TDR METHOD
 NOMINAL CAPACITANCE (REFER VALUE): 97 PF/M
 CONDUCTOR RESISTANCE OF INNER CONDUCTOR AT 283K (REFERENCEVALU)

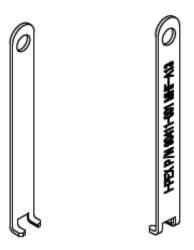
 - INSULATION RESISTANCE: 1500 MEGA-OHM/KM MIN.
 DILECTRIC WITHSTANCE VOLTAGE: NO BREAKDOWN AT AC100V FOR 1 MINUTES.



Accessories for MHF®-A plug



MHF-A13 SMA ADAPTOR PART NO. 90413-001

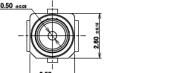


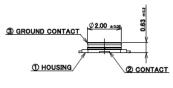
MHF-A13 PULLING TOOL PART NO. 90411-001

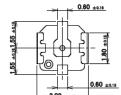
Rev.5

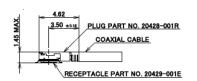
Receptacle for Cable Assembly

Recommended P/N	20429-001E	
PART NO.		
90490 001E		

















- NOTES
 1. APPLICABLE CONNECTOR: 20428-001R
 2. COPLANARITY: 0.1 MAX.

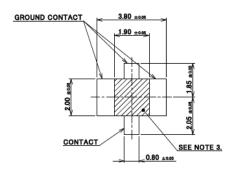
3	GROUND CONTACT	PHOSPHOR BRONZE	ALL OVER NI 1.00 μ m MIN. CONTACT PART Au 0.03 μ m MIN. SOLDERING PART Au 0.03 μ m MIN.
2	CONTACT	BRASS	ALL OVER Ni 1.00 μ m MIN. CONTACT PART Au 0.05 μ m MIN. SOLDERING PART Au 0.05 μ m MIN.
1	HOUSING	LCP	UL94V-0, BLACK
NO.	DESCRIPTION	MATERIAL	FINISH , REMARKS

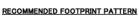


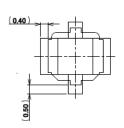
Receptacle for Cable Assembly

6 GHz
mohm MAX.
mohm MAX.
Mohm MIN.

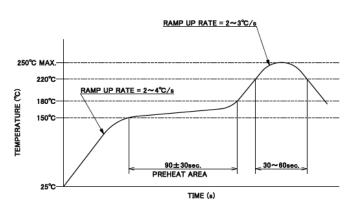
Rev.5







CONNECTOR ON RECOMMENDEDFOOTPRINT PATTERN



REFLOW TEMPERATURE PROFILE SENJU METAL INDUSTRY CO., LTD. : M705-SHF(Sn96.5 Ag3.0 Cu0.5)

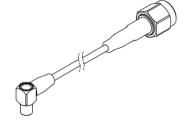
NOTES
3. CUT OUT PROHIBITION AREA

Accessories for MHF®-A Receptacle









MHF-A13 SMA ADAPTOR PART NO. 90413-002

MHF-A13 SMA ADAPTOR HIGH CYCLE TYPE 4.5MM HIGH CYCLE TEST PROBE FOR MHF/MHF A PART NO. 90416-001 PART NO. 90575-0001

4.5MM HIGH CYCLE TEST PROBE CABLE ASS'Y PART NO. 90577-****

* 90575-0001 AND 90577-**** SHOULD BE USED TOGETHER.





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