



TAOGLAS®



Datasheet

CAB.697

Description:

IPEX MHFI(U.FL comp) to SMA(F)BKST. 100mm 1.13 cable

Features:

Cable: 1.13mm

Overall Length: 100mm

End A: IPEX MHFI(U.FL comp)

End B: SMA(F)BKST

RoHS & Reach Compliant

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1. Introduction

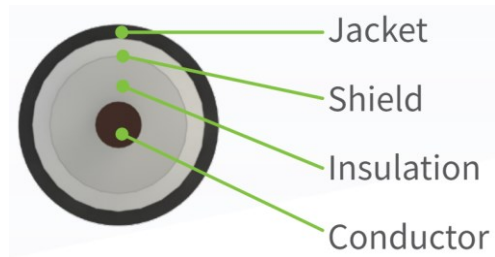


The Taoglas CAB.697 is an 1.13mm cable with IPEX MHFI(U.FL comp) and SMA(F)BKST. As one of a great range of Taoglas' standard cables the CAB.697 is ideal for use by worldwide RF professionals. Taoglas also offers a 95mm version (CAB.011) and a 150mm version (CAB.024) as a standard cable length for this configuration and custom cables through our Cable and Connector Division ([Cable Builder](#)). When a custom cable is required, this is the perfect tool for building your own cable variant.

Taoglas provides customized length and connector variants subject to MOQ. Contact your regional Taoglas customer support team for further details.

2. Cable Specifications – 1.13mm

2.1 Cross Section



2.2 Structure and Dimensions



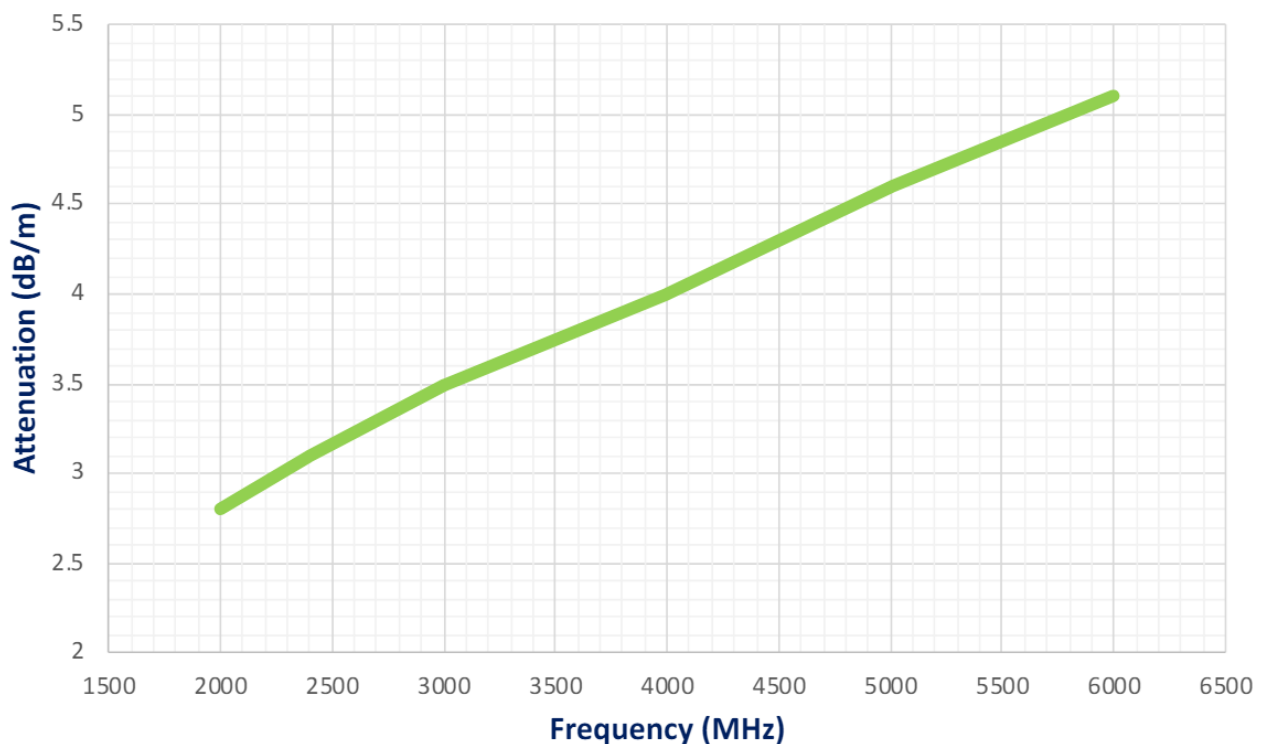
Part Designation	Material	Outer Diameter
Conductor	Silver-Coated Copper	0.24 mm
Insulation	FEP	0.68 mm
Shield	Tin-Coated Copper (≥90% coverage)	0.90 mm
Jacket	FEP	1.13 ± 0.05 mm

2.3 Cable Specifications

Mechanical	
Minimum Bend Radius	6.8mm
Cable Weight	0.003kg/m
Environmental	
Storage Temperature Range	-40°C to 85°C
Operating Temperature Range	-60°C to 200°C

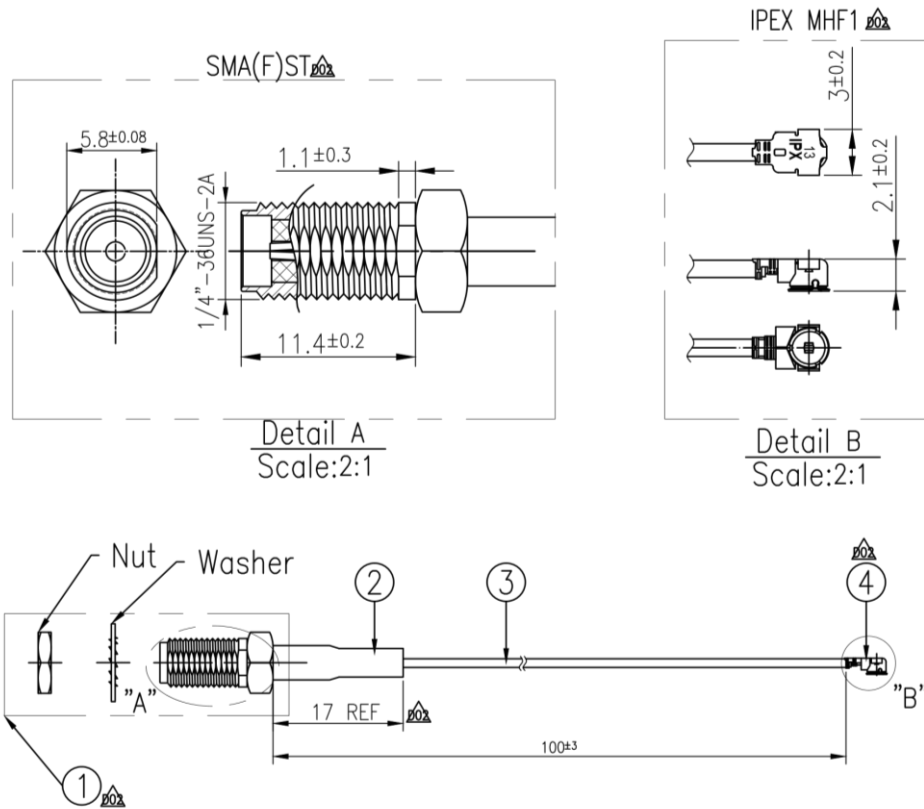
Electrical	
Impedance	50Ω
Capacitance	96 ± 3 pF/m

Attenuation vs. Frequency



Frequency (MHz)	2000	2400	3000	4000	5000	6000
Attenuation (dB/m)	2.8	3.1	3.5	4	4.6	5.1

3. Mechanical Drawing (Units: mm)



	Name	P/N	Material	Finish	QTY
	1 SMA(F)ST	200420J01001GA	Brass	Au Plated	1
	2 Heat Shrink Tube	001315C000000A	PE	Black	1
	3 1.13 Coaxial Cable	300215C020000A	FEP	Black	1
	4 IPEX MHF1	204111G000000A	Brass	Au Plated	1

Changelog for the datasheet

SPE-24-8-146 – CAB.697

Revision: A (Original First Release)	
Date:	2024-06-25
Notes:	
Author:	Cesar Sousa

Previous Revisions

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