TAOGLAS®



Datasheet

Taoglas Waterproof SMA Connector Series

Part No:
SMAMRA.SS.GO.STL.wpf
SMAMRA.DK.GO.STL.wpf
SMAMRA.VV.GO.STL.wpf

Description:

Stainless Steel, Waterproof SMA(M)RA for RG-174LL Cable

Stainless Steel, Waterproof SMA(M)RA for RG-174/316 Cables

Stainless Steel, Waterproof SMA(M)RA for TGC-1.5DS Cable

Features:

SMA(M)RA Stainless Steel, Waterproof Connector

Finish: Stainless Steel

Dimensions: 22 x 17.6mm

Waterproof Rating: IPX7

RoHS & Reach Compliant

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ISO 9001:2015
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IATF16949

1. Introduction



The Taoglas SMAMRA series of stainless steel, waterproof right-angle SMA(M) connectors are designed to provide robust, reliable RF performance in demanding environmental conditions. Engineered for use with a variety of coaxial cable types—including RG-174LL, RG-174/316, and TGC-1.5DS—the connectors deliver consistent electrical characteristics and long-term mechanical durability.

With a compact 22 × 17.6 mm form factor and an IPX7 waterproof rating, the SMAMRA series of stainless steel, waterproof connectors is suitable for applications requiring secure connections in outdoor, industrial, transportation, and other harsh-environment installations. Constructed from high-quality stainless steel and fully compliant with RoHS and REACH directives, these connectors ensure corrosion resistance, environmental protection, and dependable performance across a wide operating temperature range.

SMA(M)RA Stainless Steel, Waterproof Connector SKU's and Configurations:

- SMAMRA.SS.GO.STL.wpf SMA(M)RA, FOR RG174LL, Stainless Steel, Waterproof
- SMAMRA.DK.GO.STL.wpf SMA(M)RA, FOR RG174/316, Stainless Steel, Waterproof
- SMAMRA.VV.GO.STL.wpf SMA(M)RA, FOR TGC-1.5DS, Stainless Steel, Waterproof

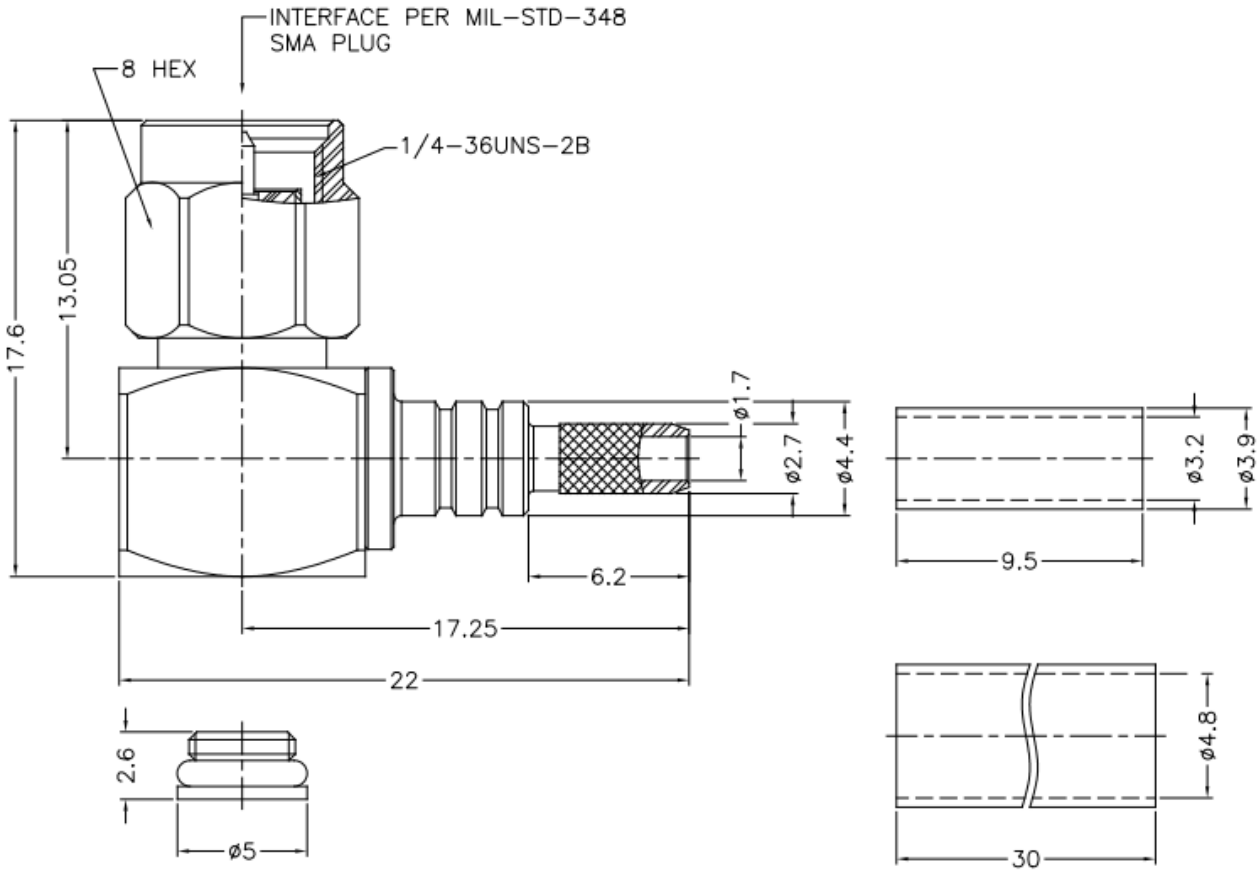
For further information please contact your regional Taoglas customer support team.

2. Specifications

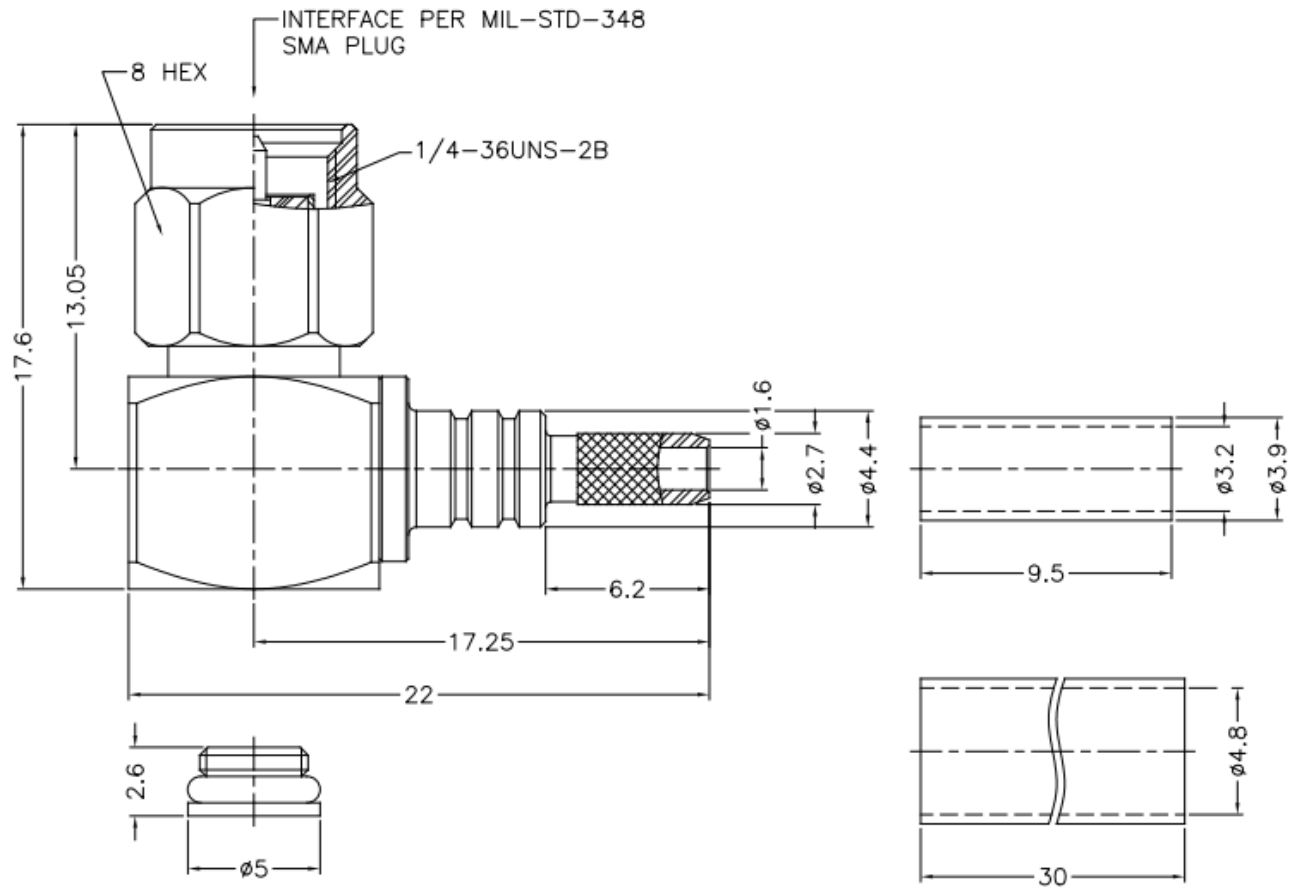
Electrical	
Impedance	50Ω
Dielectric Withstanding Voltage	1000 VRMS, Min
VSWR	1.3 Max. @ DC - 3GHz 1.5 Max. @ 3 - 8GHz
Mechanical	
Dimensions	22 x 17.6mm
Material	Stainless Steel
Environmental	
Waterproof Rating	IPX7
Temperature Range	-65°C to +165°C

3. Mechanical Drawing (Units: mm)

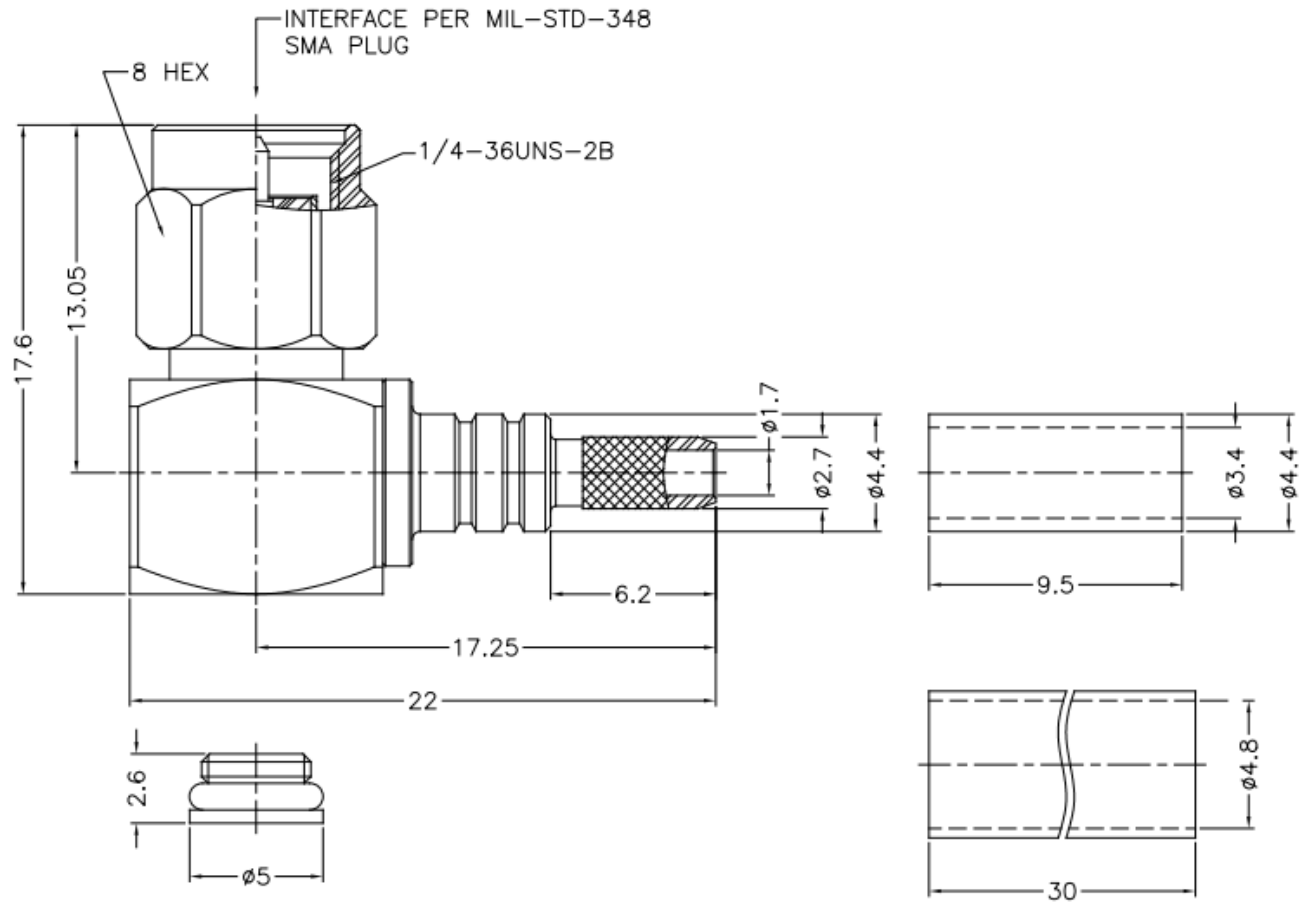
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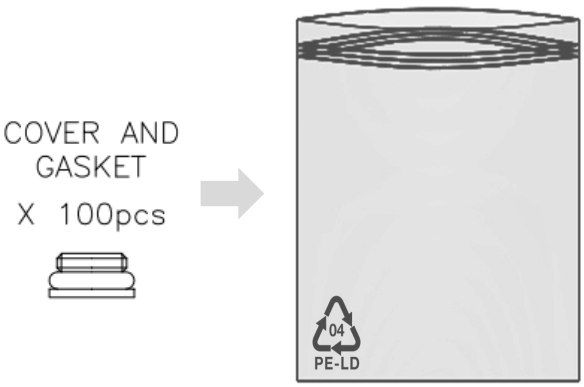
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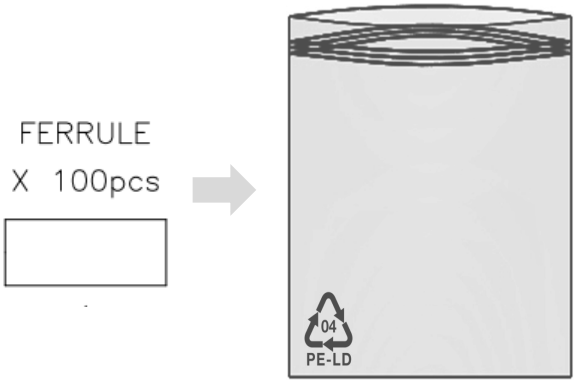


4. Packaging



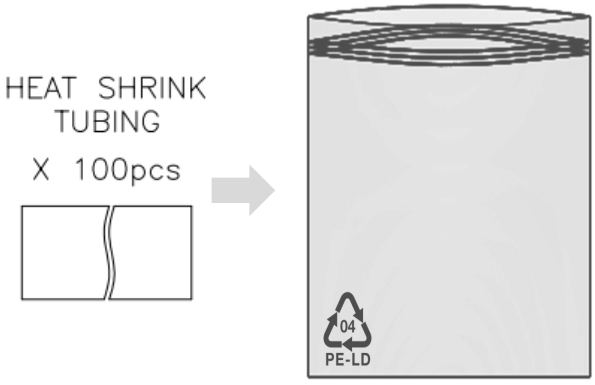
☑ 100 PCS / Zipper bag

☑ Zipper bag (mm): 85x110



☑ 100 PCS / Zipper bag

☑ Zipper bag (mm): 85x110



☑ 100 PCS / Zipper bag

☑ Zipper bag (mm): 102x153

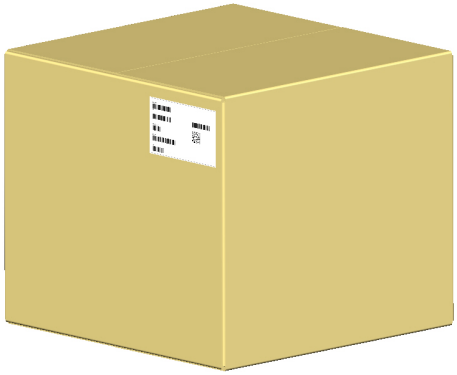


☑ 100 PCS / PE bag

☑ PE Bag(mm): 153x229

☑ Weight (Kg): 0.9 ±3%

☑ SPQ Label



☑ 1000 PCS / Carton

☑ Carton(mm): 320x280x220

☑ Weight (Kg): 10 ±3%

☑ Carton Label

Changelog for the datasheet

SPE-25-8-324 – SMAMRA.XX.XX.XX.wpf

Revision: A (Original First Release)	
Date:	2025-27-11
Notes:	Initial release
Author:	Conor McGrath

Previous Revisions

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