FAKRA Code C Blue Connector

FAKRA Generation 1 – Code C for RG-174/RG-316/TGC-1.5DS/(TGC/CFD200) cables





Product description

Taoglas is a leading provider of advanced technology for a smarter world. Our solutions include advanced components and technologies and help OEMs, enterprises, and communities to resolve the complexities of bringing digital transformation solutions to market quickly and cost effectively. Focused on best-in-class, high-performance antenna and RF design with advanced positioning, imaging, audio and artificial intelligence technologies, Taoglas understands the importance of high-performance connections.

Taoglas GEN.1 FAKRA connectors utilize a metal SMB connector embedded within a plastic enclosure that is colour coded and keyed for ease of identification and assembly. They have been designed with a swivel style housing for ease of installation. They are designed for high-volume production, automated harness assembly and provide superior performance. They are manufactured with the highest precision and are thoroughly tested to meet USCAR-2 and USCAR-17 standards. All Taoglas connectors are RoHS & REACH compliant.

The Blue Code C connector is typically used for GNSS connections and is available in both Jack and Plug and for multiple cable diameters.

Features

- Optimized for automated manufacturing
- Full Series of colours available
- RF performance up to 6GHz
- Primary and Secondary Locks
- Tulip contact/ anti-stubbing
- Housing inner ring / anti-scooping
- Fully compliant to USCAR requirements

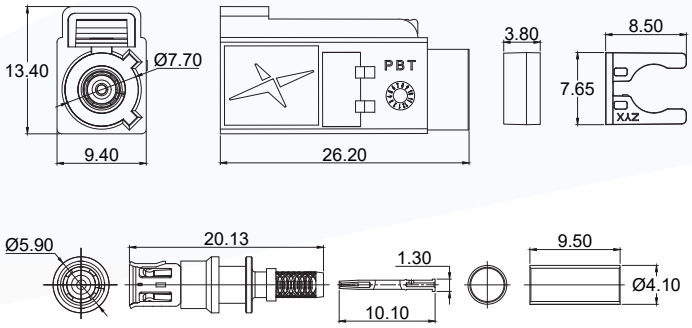
Specifications

Electrical		
Impedance	50Ω Nominal	
Frequency Range	DC - 6000MHz	
VSWR (Return Loss)	0 ~ 3000MHz < 1.3	3000 ~ 6000MHz < 1.5
D.W.V	800 VRMS, Min	
Insulation Resistance	≥100MΩ	
Mechanical		
Durability	25 Cycles Min	
Insertion Force	≤25N	
Withdraw Force	≥2N	
Locking Device Strength	≥80N	
Outer Contact Rentention Force in Housing	≥100N	
Suitable Cables	TGC-1.5DS, RG-174, RG-316,TGC/CFD200	
Storage and Opeartional Tempeature Range	-40°C - 105°C	

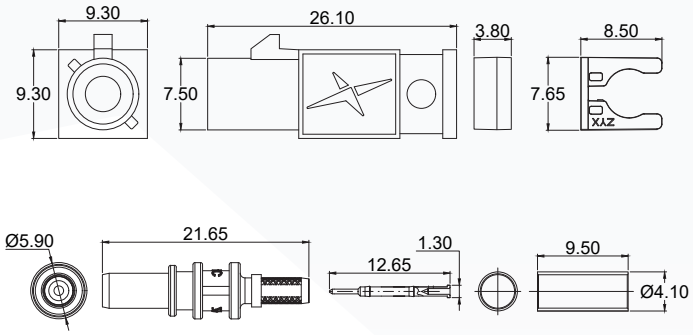
FAKRA Code C - Blue

Mechanical Drawings

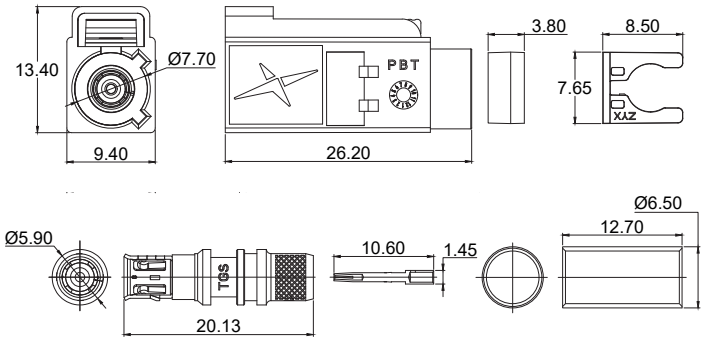
FK1FCDK - Code C Female Jack for RG-174/RG-316/TGC-1.5DS



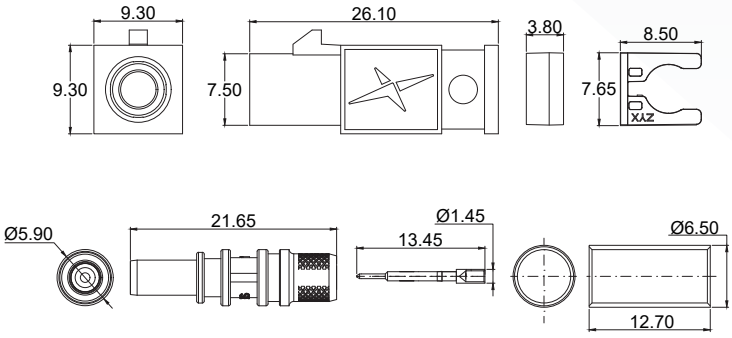
FK0MCDK - Code C Male Plug for RG-174/RG-316/TGC-1.5DS



FK1FCG - Code C Female Jack for TGC/CFD200



FK0MCG - Code C Male Plug for TGC/CFD200



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FK0MCDK