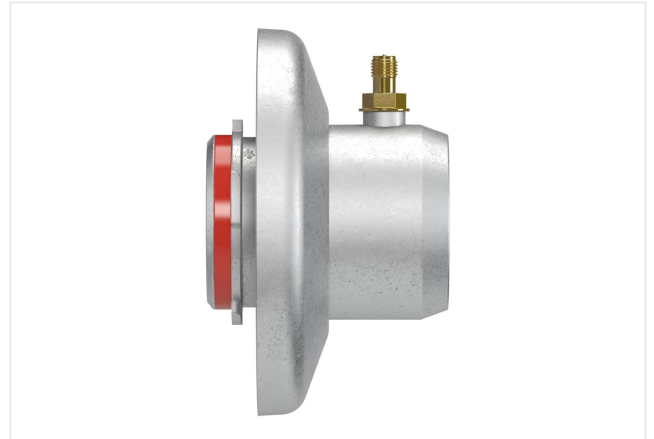


RF-TPA-SMA-6

RF Elements 6GHz TwistPort Adapter with SMA connectors

Product Overview

RF Elements 6GHz TwistPort Adapter with SMA connectors, TPA-SMA6, TwistPort - Quick-Locking Waveguide Port, 2x RP-SMA Female Radio connection, Aluminium materials, IP65 enviromental, 5700 - 7125 MHz Frequency range, Dual Linear H + V Polarization



Specifications

Overview Summary:

The RF Elements TPA-SMA6 6GHz TwistPort Adapter delivers professional-grade wireless performance with minimal signal loss. Engineered for reliability, it connects radios with RP-SMA connectors to RF Elements TwistPort antennas, ensuring precise alignment and seamless transmission. Built from rugged aluminum and rated IP65, it withstands South Africa's tough outdoor conditions, making it a dependable choice for high-frequency network setups. Shop now to experience fast, secure, and efficient wireless connectivity.

This compact adapter offers effortless installation with its quick-lock TwistPort mechanism, saving time and improving deployment efficiency. Ideal for both point-to-point and multipoint links, it combines performance and convenience for any modern wireless system. Buy now and upgrade your network with confidence.

Performance tier:Professional

Uses:Wireless networking, point-to-point links, outdoor installations, radio-to-antenna connections, 6GHz broadband systems

Overview:

RF Elements TPA-SMA6 6GHz TwistPort Adapter with SMA Connectors

The RF Elements TPA-SMA6 is a precision-engineered adapter designed to connect third-party radios with standard dual SMA connectors to RF Elements TwistPort antennas. Built for high performance and reliability, this adapter ensures low signal loss, superior RF efficiency, and long-term durability in outdoor environments. Operating within the 5.9-7.1 GHz range, it's a trusted choice for professional-grade wireless networks requiring dependable 6 GHz connectivity.

Description:

The RF Elements TPA-SMA6 TwistPort Adapter enhances radio-to-antenna integration by using a proprietary waveguide system that eliminates coaxial losses and boosts signal quality. It supports dual linear polarization for optimal data transmission and is built from rugged aluminum with IP65 weather protection. Its quick-locking TwistPort mechanism allows fast, tool-free installation, offering a balance of performance, convenience, and long-term value.

Features:

Precision 6 GHz Connectivity

The TPA-SMA6 enables seamless communication between radios using RP-SMA connectors and TwistPort antennas. Its dual linear H + V polarization ensures stable, efficient operation in the unlicensed 6 GHz spectrum.

Advanced RP-SMA Coaxial Interface

Equipped with dual RP-SMA female connectors, the adapter supports radios operating within the 5700-7125 MHz frequency band. It's specifically tuned for 6 GHz unlicensed applications, ensuring consistent and reliable data transfer.

Optimized Waveguide Design

RF Elements' proprietary TwistPort waveguide eliminates coaxial cable losses common in traditional antenna systems. This innovative approach enhances signal clarity and boosts overall throughput for high-performance wireless links.

Compact and Durable Construction

Made from robust aluminum materials, the TPA-SMA6 is built to withstand harsh outdoor environments. Its IP65-rated enclosure protects against dust and water, ensuring long-term stability and consistent performance in all conditions.

Quick and Easy Installation

Designed with RF Elements' signature quick-locking mechanism, the adapter allows fast, tool-free setup. This reduces installation time and simplifies maintenance, making it ideal for rapid network deployments.

Key Advantages

- Frequency range: 5700-7125 MHz
- Dual linear polarization (H + V)
- Two RP-SMA female radio connectors
- IP65-rated, weather-resistant aluminum body
- Compact, lightweight design for easy handling
- TwistPort interface for zero coaxial loss connection

Ideal for Professional Wireless Networks

Whether used for extending coverage, upgrading existing systems, or deploying new point-to-point or point-to-multipoint links, the RF Elements TPA-SMA6 delivers unmatched efficiency, ease of use, and performance in the 6 GHz band.

Specifications:

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Specifications

Product Code	RF-TPA-SMA-6
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TECHNICAL DATA

Antenna Connection	TwistPort - Quick-Locking Waveguide Port
Radio Connection	2x RP-SMA female
Materials	Aluminium
Environmental	IP65
Temperature	-40degreesC to +60degreesC (-40degreesF to +140degreesF)
Weight	0.13 kg / 0.3 lbs - single unit
	0.17 kg / 0.4 lbs - single unit incl. package
	3.90 kg / 8.59 lbs - wholesale box (20 units)
Dimensions	Single unit retail box:
	110 x 96 x 66 mm (4.3 x 3.7 x 2.6 inch)
	Wholesale box (20 units):
	497 x 237 x 146 mm (19.5 x 9.3 x 5.7 inch)

PERFORMANCE

Frequency Range	5700 - 7125 MHz
Polarization	Dual Linear H + V
Impedance	50 Ohm

COMPATIBLE WIRELESS PLATFORMS

RF elements	any WB antenna: SH30WB, SH60WB, SH90WB, AH60WB, AH90WB, UD29WB
	5 GHz Antennas: UH-TP-5-24, HG3-TP-S30, UD-TP-21, UD-TP-24, UD-TP-27

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/RF-TPA-SMA-6-RF-Elements-6GHz-TwistPort-Adapter-with-Buy-p-331263.php>

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Product Specification Sheet

For the most current and accurate product information, please refer to the product information available on our website. If any specification or other information differs from information published elsewhere, please confirm the details with us before relying on the information or making a purchasing decision.

If you identify an error or discrepancy, please report it to us so that we may investigate and correct it where necessary.