

Explore Limitless Connectivity

with Anritsu's DC to 70 GHz RF and Microwave Components (V Type)

Introduction

Embark on a journey of unparalleled connectivity and precision with Anritsu's state-of-the-art RF and microwave components. Covering an expansive spectrum from DC to 70 GHz, our components redefine the boundaries of what's achievable in the world of radio frequency technology.

Anritsu's commitment to innovation and quality shines through in each component. Take the next step in advancing your projects and applications.

Markets Served

Telecommunications: Redefining the capabilities of next-generation communication networks. Ensure low latency and high data throughput in point-to-point communication systems.

Aerospace and Defense: Driving advancements in radar systems, electronic countermeasures, and satellite communication.

Research and Development: Ideal for laboratories and research institutions working on cutting-edge RF projects.

Manufacturing: Crucial for sectors like semiconductor fabrication, automotive production, and electronics assembly enabling efficient manufacturing processes, and ensuring product quality.

Signal Integrity: Enabling high-frequency signal transmission, accurate measurements, reliable system performance, and seamless integration in diverse industries and applications requiring precise signal handling and analysis.

Why Choose Anritsu's V (DC to 70 GHz) RF and Microwave Components?

1. Broadband performance from DC to 70 GHz
2. Traceability to NIST ensuring a known measurement uncertainty and customer satisfaction
3. Best in the industry environmental specifications – Tests are performed per MIL-STD-202G
 - Shock 100 G_n peak sawtooth, method 213, Condition B
 - Vibration – Sinewave/Random: 10 Hz to 2000 Hz, 11.6 G_{rms}, Power Spectral Density 0.1 G_{rms} 2 Hz, Method 204, 214
 - Salt Spray – 5% concentration for 48 hours
4. Hermeticity and Compatibility with other connector types
5. RoHS Directive – 2011/65/EU & 2015/863

Specials – Anritsu also manufactures assemblies and components to meet specific customer requirements in both coaxial and waveguide structures.



V Connectors™ and Cables

Anritsu V Connector is a reliable 1.85 mm device that operates up to 70 GHz. Low VSWR, superior reliability and low loss.



V103M

V101F

Attenuators

The 41V performance gold line series attenuators are specifically designed for applications where accuracy is a basic requirement. Available in 3, 6, 10, 20, 30 and 40 dB attenuation.

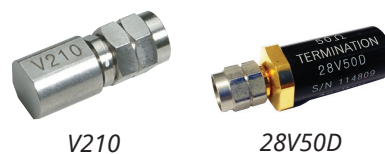


41VA-30

41VA-20

Terminations

Anritsu terminations are unsurpassed for accuracy and impedance match. They also provide the only method of certifying the performance of SWR autotesters, bridges, directional couplers, and other devices.



V210

28V50D

Adapters

A series of precision measurement adapters are available to adapt one connector type to another. Calibration adapters cover frequencies up to 70 GHz.

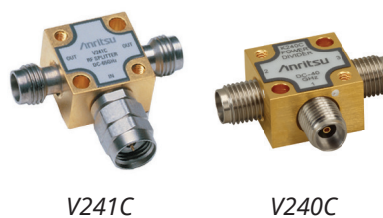


33VVF50C

V230

Power Dividers/Splitters

All Anritsu power dividers are 3-resistor symmetrical designs with excellent amplitude and phase tracking. Anritsu power splitters are 2-resistor designs providing great isolation between RF ports.



V241C

V240C

Bias Tees

Ideal for optical communication applications. Anritsu features both standard and Kelvin bias tees depending on the precision of the application. Risetime: 3 ps to 5 ps typical. 50 V and 500 mA current capability.



V251

DC Blocks

Anritsu DC blocks are used to prevent DC signals from passing through feature < 1.0 dB insertion loss, Risetime of 3 ps to 5 ps typical, Max RF power of 1 W.



V261

Conclusion

Anritsu carries over 300 precision components. Join Anritsu on this exploration of DC to 70 GHz RF components, where limitless potential awaits in every gigahertz of frequency spectrum.

For more information, please visit www.anritsu.com



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