

RoHS Compliance Statement

Introduction

The European Union set forth the RoHS (Restriction of Hazardous Substances) Directive to establish environmental guidelines and legislation to reduce the presence of six (6) materials deemed hazardous to the environment. To comply, products entering the EU must not have a homogeneous presence of these materials above the following levels by weight percentage:

- Cadmium (Cd): < 100 ppm (0.01%)
- Lead (Pb): < 1000 ppm (0.1%)
- Mercury (Hg): < 1000 ppm (0.1%)
- Hexavalent Chromium (Cr VI) < 1000 ppm (0.1%)
- Polybrominated Biphenyls (PBB): < 1000 ppm (0.1%)
- Polybrominated Diphenyl Ethers (PBDE): < 1000 ppm (0.1%)
- Bis(2-Ethylhexyl) phthalate (DEHP): < 1000 ppm (0.1%)
- Benzyl butyl phthalate (BBP): < 1000 ppm (0.1%)
- Dibutyl phthalate (DBP): < 1000 ppm (0.1%)
- Diisobutyl phthalate (DIBP): < 1000 ppm (0.1%)

Our Commitment

Eravant recognizes its responsibility to maintain a comprehensive RoHS compliance program as a manufacturer of high-performance microwave and millimeter components and subassemblies for commercial and military system applications. We are committed to offering RoHS compliance on the majority of our products and accurately stating RoHS compliance status for all products. Information about the RoHS compliance status of individual product models are posted on published datasheets available publicly on our website.

For products that bear the RoHS compliance symbol, Eravant does not see a need to test for these chemicals because we have no reason to believe they are in our products at amounts that exceed compliance thresholds.

For More Information

Questions or concerns about Eravant's RoHS Compliance Statement may be directed to our technical support team at support@eravant.com.

Our employees, suppliers, and other parties can report concerns and alleged violation of this Policy by emailing us at support@eravant.com. We will not take any retaliatory action against our employees, suppliers, or other parties who make a report in good faith.

ERAVANT

STQ-WG-04025-FB-CF

WR-04 Proxi-Flange™ Contactless Flange Straight Waveguide Section

STQ-WG-04025-FB-CF is an Eravant trademarked Proxi-Flange™, patent pending, with a WR-04 band contactless flange straight waveguide section with WR-04 waveguides and UG-387/U-M Anti-Cooking flanges. The Proxi-Flange™ is constructed with a special waveguide flange populated with an array of small pin-like structures to realize the RF choking actions. The Proxi-Flange™ avoids the problem of poor return loss and high insertion loss caused by imperfect contact when two waveguide flanges are mated. The captive screws normally used in waveguide test sets can cause cooking issues if tightened unevenly, but Proxi-Flange™ eliminates the need for any waveguide screws, resulting in improved device durability, measurement consistency, and test repeatability. Eravant's Wave-Glide™, patent pending, fixture - the Novel Apparatus of Millimeter-Wave Frequency for Accurate and Automatic Testing, further enhances the Proxi-Flange™ benefits and makes it the perfect candidate for volume production and automatic test lines where frequent connection and disconnection between DUTs and test equipment occurs. Model STQ-WG-04025-FB-CF is offered to cover the frequency range of 170 to 260 GHz with an insertion length of 2.5". Other insertion lengths and other frequency bands are offered under various model numbers to cover frequency ranges from 18 to 325 GHz.



Electrical Specifications

Parameter	Minimum	Typical	Maximum
Frequency Range	170 GHz		260 GHz
Insertion Loss		6.5 dB	
Return Loss		20 dB	
Power Handling			10 W (CW)
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications

Item	Specification
Waveguide Size	WR-04 Waveguide with UG-387/U-M Anti-Cooking Flange
Insertion Length	2.5"
Flange Material	Beryllium Copper (BeCu)
Waveguide Material	Beryllium Copper (BeCu)
Finish	Gold Plated
Weight	0.7 Oz
Outline	WG-F04-A-CF

ECCN

- EAR99

FEATURES

- Frequency Range: 170 to 260 GHz
- Contactless Connection
- Rugged Waveguide Configuration
- Low Insertion Loss
- High Return Loss

APPLICATIONS

- Test Instrumentation
- Automatic Test Setup
- Volume Production Testing

RECOMMENDED PAIRINGS

- Wave-Glide™ Rail System
- Waveguide Quick Connects



Advanced Rev 1.0

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