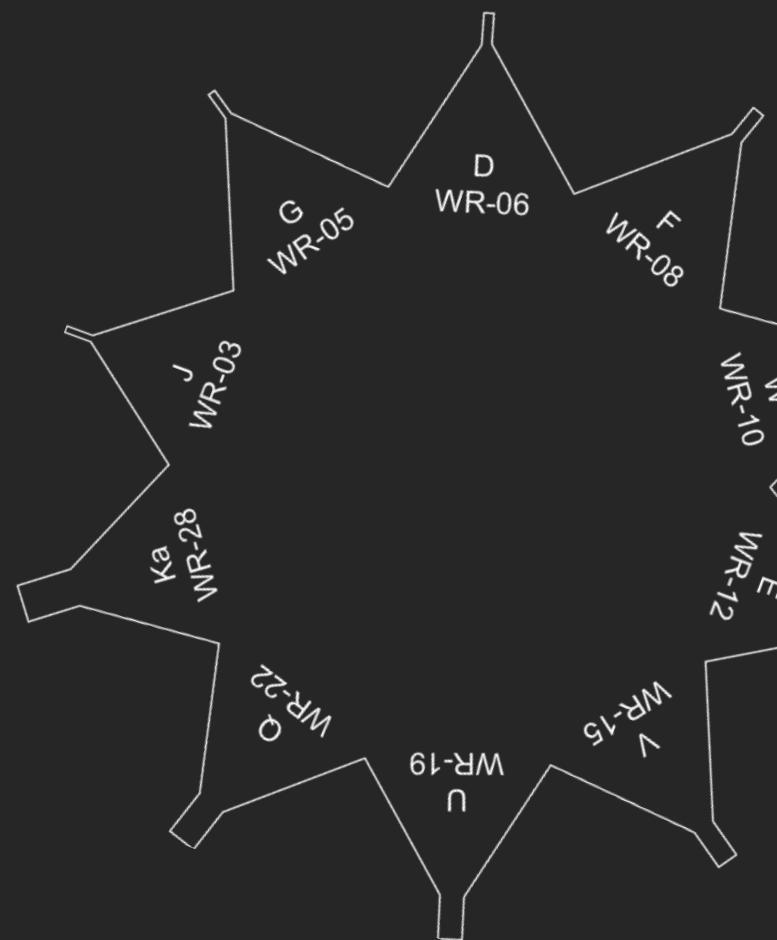


ERA^{ANT}

MAKING MILLIMETERWAVE ACCESSIBLE

Q-BAND

April 2026



CONTENTS

INTRODUCTION

ADAPTERS AND TRANSITIONS

AMPLIFIERS

ANTENNA FEED COMPONENTS

ANTENNA MEASUREMENT SYSTEMS/ACCESSORIES

ANTENNAS

ATTENUATORS

CALIBRATION KITS

COUPLERS

DETECTORS

FERRITE DEVICES

FILTERS

FREQUENCY MULTIPLIERS

MAGIC TEES

MIXERS

NOISE SOURCES

OSCILLATORS

PHASE SHIFTERS

POWER DIVIDERS

PROXI-FLANGE

SWITCHES

TERMINATION LOADS

TEST EQUIPMENT

TEST HARDWARE AND ACCESSORIES

TX/RX MODULES

UNI-GUIDE WAVEGUIDE CONNECTOR

WAVEGUIDE SECTIONS

WEBSITE

INTRODUCTION

ERAVANT designs and manufactures total solutions for microwave and millimeterwave applications covering DC to 330 GHz

- **This presentation introduces a selection of Eravant's standard product offerings in the Q-Band (33 to 50 GHz)**
- The entire Q-Band product line, including Limited Run models, are listed on the website at www.eravant.com

Additional products and presentations are available upon request.

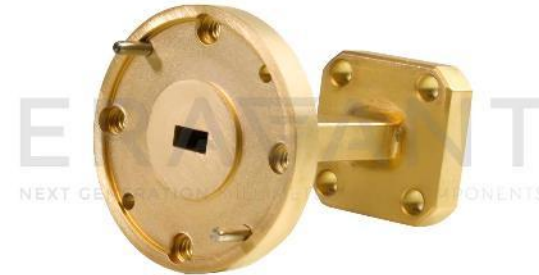
- Custom models for components and subassemblies can be configured to customer specifications
- Presentations for K thru J bands are also available
- Presentations for specific applications including 5G/6G, IoT, Space, Test Instrumentation, Communications and Radar are available [here](#)

ADAPTERS/TRANSITIONS

Adapters/Transitions



**Rectangular to Rectangular
Taper Transitions**
SWT-2219-LB



Flange Adapters
SWR-383599-22-S1



**Rectangular to Circular
Mode Transitions**
SWT-22250-SB



Bulkhead Adapters
SWW-2205-SB

Adapters/Transitions



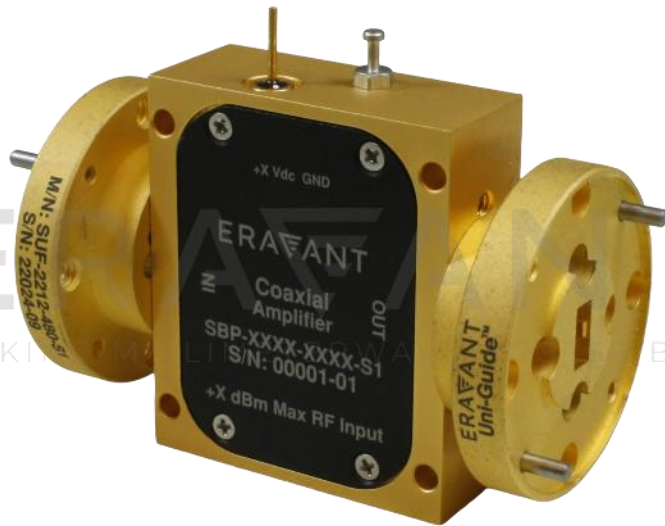
Waveguide to Coax Adapters

SWC-222F-R1/SWC-222M-R1

SWC-222F-E1/SWC-222M-E1

AMPLIFIERS

Amplifiers

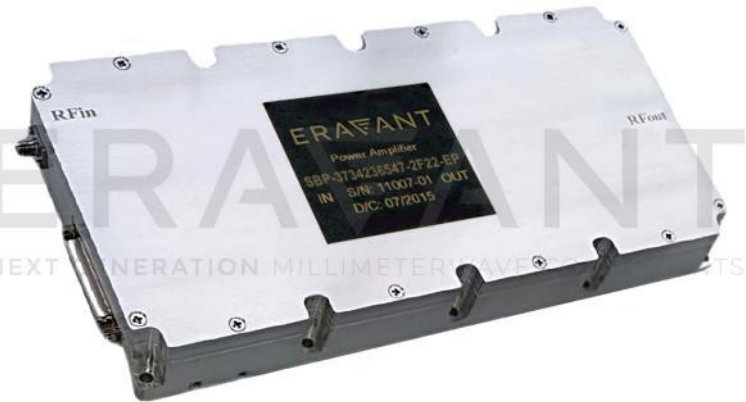


Low Noise Amplifiers

SBL-3335033040-2222-E1

Medium Power Amplifiers

SBP-3335033018-2222-E1



High Power Amplifiers

SBP-3734236547-2F22-EP

ANTENNA FEED COMPONENTS

Antenna Feed Components



Orthomode Transducers
SAT-FQ-22422-S1



Linear to Circular Polarizers
SAS-423-25022-F1

ANTENNA MEASUREMENT SYSTEMS/ACCESSORIES

Antenna Measurement Systems/Accessories



Mounting Fixtures
SAX-MT1125-CL1



Standard Gain Horn Assembly
STY-MAA-AZ-222F-R1



**Open Ended Waveguide
Probe Assembly**
STY-MAA-AP-222F-R1

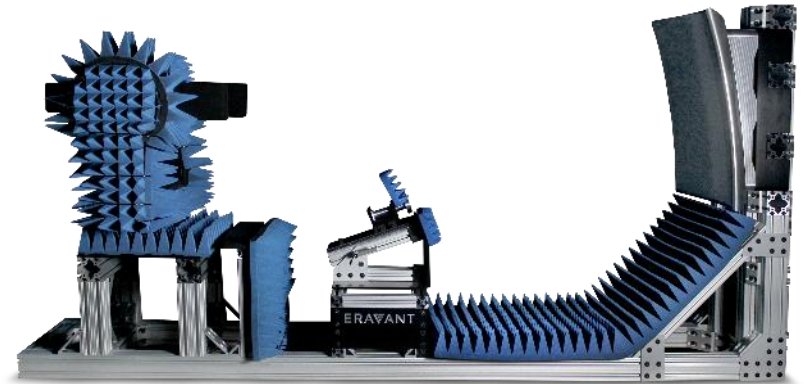
Antenna Measurement Systems/Accessories



**Rolled Edge Reflectors for
Compact Antenna Test Range**

STY-CATR-RER-0150-S1

STY-CATR-RER-0300-S1



**Open Bed Compact Antenna
Test Range System**

STY-CATR-0150-OB-S1

STY-CATR-0300-OB-S1

ANTENNAS

Antennas



Pyramidal Horns
SAR-2507-22-S2



Diagonal Horns
SAA-2019-22-S2



Open Ended Waveguide Probes
SAP-22-R2-6.0



Conical Horns
SAC-2507-219-S2



Choke Corrugated Horns
SAH-3335031060-250-S1



Scalar Corrugated Horns
SAF-3335031340-250-S1

Antennas



Omnidirectional Antennas

SAO-3335030530-22-S1



Dual-Polarized Antennas

SAF-3335031340-250-S1-224-DP



Spot Focusing Lens Antennas

SAQ-403085-219-S1

Antennas



Cassegrain Reflector Antenna

SAY-3735135302-22-S1-DP-WR

SAY-3835234805-22-S1-CP-DP-WR

ATTENUATORS

Attenuators



Fixed Attenuators

STA-30-22-F1



Level Setting Attenuators

STA-30-22-M1



Voltage Variable Attenuators

SKA-3534532535-2222-AP



Hybrid Programmable/Direct Reading Rotary Vane Attenuators

STA-60-22-S1

CALIBRATION KITS

Waveguide Calibration Kits for VNA



Waveguide Calibration Kit
STQ-TO-22-S1-CKIT1



Waveguide Calibration Kit with Proxi-Flange™ Contactless Flange
STQ-TO-22-S1-CKIT1-CF

COUPLERS

Couplers



Directional Couplers
SWD-1040H-22-SB



Bi-Directional Couplers
SWD-1040H-22-BB



Dual-Directional Couplers
SWD-1040H-22-DB



Cross-Guide Couplers
SWX-33350330-22-4B

DETECTORS

Detectors



Amplitude Detectors
SFD-333503-22SF-N1



Amplitude Detectors with Isolator
STD-22SF-NI

FERRITE DEVICES

Ferrite Devices



Faraday Isolators
STF-22-S1



Y-Junction Circulators
SNW-4735130518-22-CJ



Compact Faraday Isolators
STF-22-S1-C

FILTERS

Filters



Bandpass Filters
SWF-40305340-22-B1



Lowpass Filters
SWF-45350340-22-L1



Highpass Filters
SWF-42340320-22-H2



Diplexers
SWY-40350353-22-I1

FREQUENCY MULTIPLIERS

Frequency Multipliers



Active Multipliers
SFA-222KF-E1



Passive Multipliers
SFP-222KF-S1

MAGIC TEES

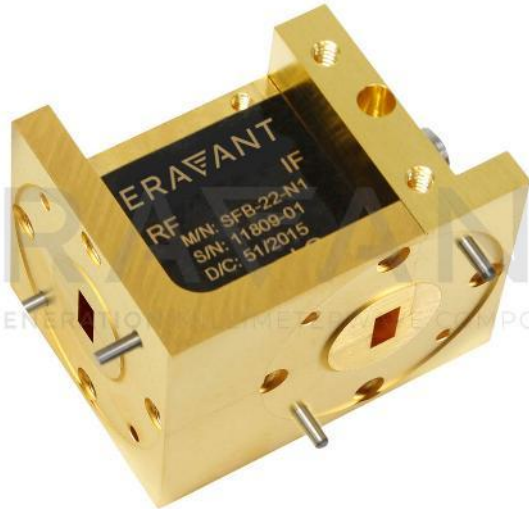
Magic Tees



Magic Tees
SWM-33350320-22-SB

MIXERS

Mixers



Balanced Mixers
SFB-22-N1



Balanced Harmonic Mixers
SFH-22SFSF-A3

NOISE SOURCES

Noise Sources



Noise Source
STZ-22-0T2

OSCILLATORS

Oscillators



Mechanically Tuned Gunn Oscillators
SOM-46304316-22-S1



Voltage Tuned Oscillators
SOW-41307316-22-S1

Oscillators



Phase Locked Oscillators
SOP-40310120-22-B1



Frequency Synthesizers
SOT-33350320200-22-E6

PHASE SHIFTERS

Phase Shifters



Mechanically Tunable Phase Shifter
STP-18-22-M1

POWER DIVIDERS

Power Dividers



2-Way Power Dividers

SWP-33350302-22-S1

SWP-33350302-22-E1-3



4-Way Power Dividers

SWP-33350304-22-E1-3

SWP-33350304-22-S1-3

Proxi-Flange™ Contactless Flange

Proxi-Flange Contactless Flange Waveguide Straight



Proxi-Flange™ Contactless Flange
STQ-WG-22025-FB-CF

US Patent ID
US12199691B2

SWITCHES

Switches



Electromechanical Switches

SWJ-22-L1

SWJ-22-LM1

Manual Switches

SWJ-22-M1



Pin Diode Switches

SKD-3335034530-2222-R1-M

TERMINATION LOAD

Termination Loads



Low Power Loads
SWL-2230-S1



Medium Power Loads
SWL-2237-S1



High Power Loads
SWL-2257-S8



Tunable Loads
SWL-2227-T1

TEST EQUIPMENT

Test Equipment



**Frequency
Downconverters**
STC-20-22-S1

**Frequency
Upconverters**
STV-00-22-S1

**Frequency
Extenders**
STE-SF422-S1

Test Equipment



VNA Tx/Rx Frequency Extenders
STO-20355315-C-E1



Mini VNA Tx and Rx Frequency Extenders
STO-20355315-T-E1
STO-20355315-R-E1

TX/RX MODULES

Tx/Rx Modules



Transmitters
SST-4130732825-22-SE1



Receivers
SSR-4531534512-22-SE1

TEST HARDWARE AND ACCESSORIES

Test Hardware and Accessories



Flange Covers
SWH-WC-1125C-ERA



Waveguide Quick-Connect
SWH-QC-1125C-R2



Test Hardware and Accessories



Short
SWS-QU-F1



Tunable Short
SWS-22-T1



Shim/Spacers
SWI-22092-SB

UNI-GUIDE™ WAVEGUIDE CONNECTOR

Uni-Guide™ Waveguide Connector



Uni-Guide™ Waveguide Connector

SUF-2212-480-S1

US Patent ID

US11804681B1

WAVEGUIDE SECTIONS

Waveguide Sections



Waveguide E-Bend
SWB-22090-EB



Waveguide H-Bend
SWB-22090-HB



Waveguide Twist
SWB-22090-TB



Waveguide Straight
SWG-22010-FB

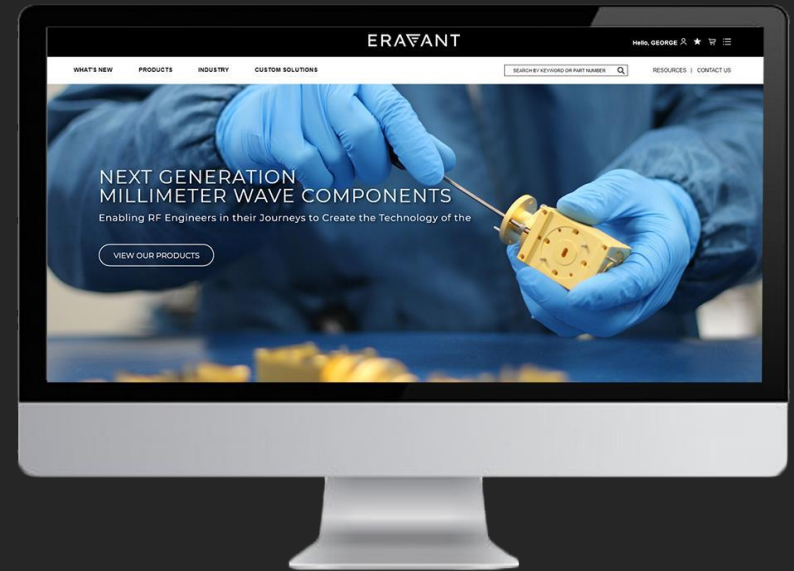


Flexible Waveguide
SWG-22118-FB-FT-A-G

CHECK OUT OUR WEBSITE FOR MORE!

Featuring

- 5,000+ Products with Full Datasheets
- Price and Delivery Available Online
- Product Categorization Filters
- Blogs, Calculators and Publications



PASSIVE FREQUENCY MULTIPLIERS

GRID TABLE 28 RESULTS

MODEL	MINIMUM OUTPUT FREQUENCY	MAXIMUM OUTPUT FREQUENCY	OUTPUT POWER	MINIMUM INPUT FREQUENCY	MAXIMUM INPUT FREQUENCY	INPUT POWER	OUTPUT PORT	INPUT PORT	DOWNLOADS	VIEW
SFP-06212-S2	110 GHz	170 GHz	0 dBm	55 GHz	85 GHz	+15 dBm	WR-08 Waveguide	WR-12 Waveguide	Datasheet	View
SFP-06310-U6	110 GHz	170 GHz	-3 dBm	36.67 GHz	56.67 GHz	+20 dBm	WR-08 Waveguide	WR-10 Waveguide	Datasheet	View
SFP-06210-S2	140 GHz	220 GHz	-3 dBm	70 GHz	110 GHz	+17 dBm	WR-05 Waveguide	WR-10 Waveguide	Datasheet	View
SFP-223402025-28SF-S1	22 GHz	40 GHz	+5 dBm	11 GHz	20 GHz	+18 dBm	WR-28 Waveguide	SMA (F)	Datasheet STEP File	View
SFP-243423030-28SF-S1	24 GHz	42 GHz	+3 dBm	8 GHz	14 GHz	+20 dBm	WR-28 Waveguide	SMA (F)	Datasheet STEP File	View
SFP-2835F-U9	20.5 GHz	40.0 GHz	+5 dBm	8.37 GHz	13.33 GHz	+20 dBm	WR-28 Waveguide	SMA (F)	Datasheet	View
SFP-273403305-28SF-S1	26.5 GHz	40 GHz	-5 dBm	8.37 GHz	13.33 GHz	+10 dBm	WR-28 Waveguide	SMA (F)	Datasheet STEP File	View
SFP-2235F-S1	33 GHz	60 GHz	+3 dBm	11 GHz	16.67 GHz	+20 dBm	WR-22 Waveguide	SMA (F)	Datasheet STEP File	View
SFP-222XF-S1	33 GHz	60 GHz	+7 dBm	16.5 GHz	25 GHz	+20 dBm	WR-22 Waveguide	2.92 mm (F)	Datasheet STEP File	View
SFP-3635T3303-10SF-F1	67 GHz	36 GHz	+3 dBm	12 GHz	19 GHz	+20 dBm	WR-19 Waveguide	SMA (F)	Datasheet STEP File	View
SFP-192XF-S1	40 GHz	80 GHz	+0 dBm	20 GHz	30 GHz	+20 dBm	WR-19 Waveguide	2.92 mm (F)	Datasheet STEP File	View