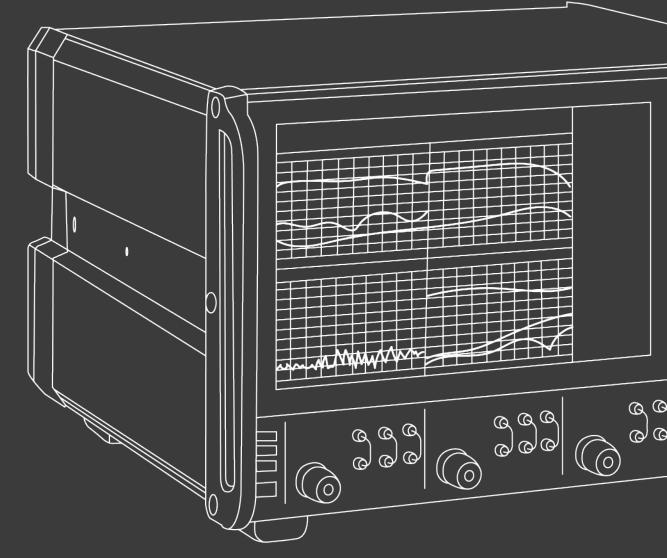
ERAFANT

MAKING MILLIMETERWAVE ACCESSIBLE

BROAD BANDWIDTH
COMPONENTS FOR TEST
EQUIPMENT





ERAVANT is supported by TACTRON ELEKTRONIK GmbH & Co. KG

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INTRODUCTION

Eravant designs and manufactures total solutions for microwave and millimeterwave applications covering 10 MHz to 330 GHz.

- This presentation introduces Eravant's broadband products suitable for test instrumentation
- Our full product offering, including Limited Run models, are listed on our website at <u>www.eravant.com</u>

Additional products and presentations are available upon customer request:

- Custom models for components and subassemblies can be configured to customer specifications
- Presentations for specific applications such as 5G/6G, IoT,
 Thermal Vacuum and Space, Communications and Radar are available on-line
- Products in Ka, Q, U, V, E, W, F, D, G and J bands are also described in updated presentations

ERAVANT PRODUCT FFERINGS Although standard models are not specifically designed and

- manufactured for Space and Thermal Vacuum applications, many of them are suitable for these and other extreme environments. Examples include:
 - SAR, SAC, SAF, SAH, SAJ, SAP, SAT and SAZ antenna families
 - SWG, SWB, SWW, SWT, SWF, SWI, SWH, SWR, SWD, SWX, SWM and SWF waveguide components
 - SUF Uni-GuideTM Waveguide Connectors
 - Models with the "V" suffix are qualified for Thermal Vacuum applications
 - Includes antennas, isolators, attenuators, couplers, adapters and subassemblies
- Many models can be adapted for Space and TVAC applications by simply updating the manufacturing process using "no-out-gassing" materials such as adhesives, OFHC copper or stainless steel, etc.



ANTENNAS

STANDARD GAIN HORN ANTENNA

FAMILY: SAZ 18 to 330 GHz

14 Models Cover Full Waveguide Bands Up To 330 GHz

SAZ-2410-05-S1 140 to 220 GHz, 24 dBi



50 to 75 GHz, 24 dBi

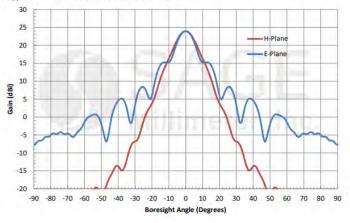


SAZ-2410-10-S1 75 to 110 GHz, 24 dBi

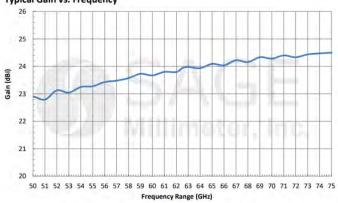


SAZ-2410-28-S1 26.5 to 40 GHz, 24 dBi

Typical Antenna Patterns @ 62.5 GHz



Typical Gain vs. Frequency



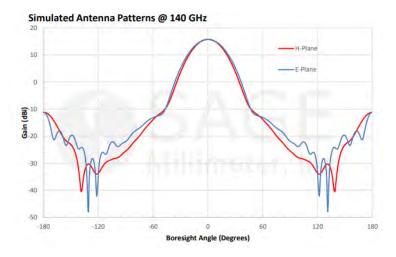
SCALAR FEED HORN ANTENNA

FAMILY: SAF 18 to 220 GHz

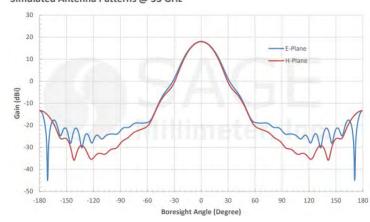
More Than 60 Models – Full Waveguide Bandwidth



SAF-1141741535-082-S1 110 to 170 GHz, 15 dB







DUAL RIDGED HORN ANTENNA LINEARLY POLARIZED

6 Models with Multi-Octave Bandwidth



SAV-1431141535-1F-U5 14 to 110 GHz



SAV-0636731429-VF-S1 6 to 67 GHz

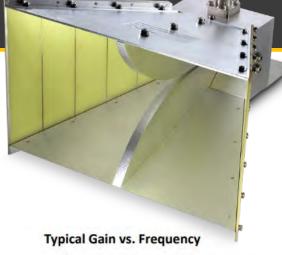


SAV-0636731522-VF-U5 6 to 67 GHz

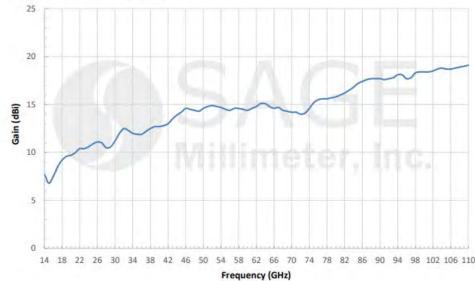


SAV-0434031427-KF-U5 4 to 40 GHz

FAMILY: SAV 1 to 110 GHz



SAV-0131831040-NF-U2 1 to 18 GHz



QUAD RIDGE DUAL POLARIZED SQUARE ANTENNA

FAMILY: SAV1 to 67 GHz

10 Models with Mult-Octave Bandwidth



SAV-0130430883-SF-U4-QR 1 to 4 GHz



SAV-0434031428-KF-U5-QR 6 to 67 GHz

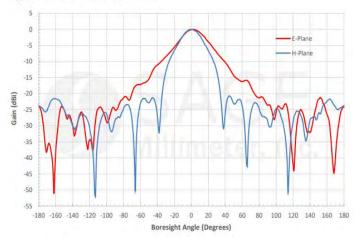


SAV-0632531431-SF-U3-QR 6 to 25 GHz



SAV-0535031140-2F-U5-QR 5 to 50 GHz

Typical Antenna Pattern @ 22 GHz



Typical Gain vs. Frequency



QUAD RIDGED DUAL POLARIZED CIRCULAR ANTENNA

FAMILY: <u>SAC</u> 1 to 40 GHz

6 Models: Wide Bandwidth



SAC-0231831225-SF-S4-DP 2 to 18 GHz



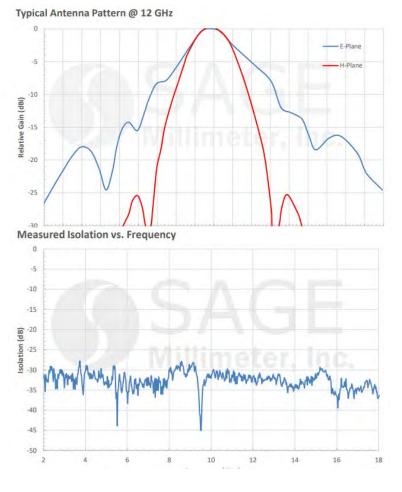
SAC-1834031621-KF-S5-DP 18 to 40 GHz



SAC-0432431235-SF-S4-DP-RD 4 to 24 GHz



SAC-2734031517-KF-S5-D 27 to 40 GHz



DUAL POLARIZED SCALAR HORN ANTENNA

FAMILY: <u>SAF</u> 23 to 170 GHz

16 Models: Waveguide Bandwidth



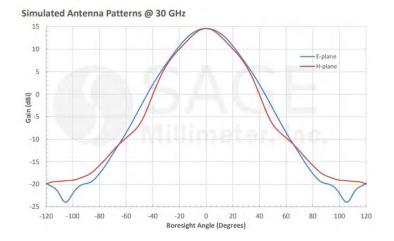
SAF-1141741525-082-S1-065-DP 110 to 170 GHz SAF-6039031340-141-S1-122-DP 60 to 90 GHz

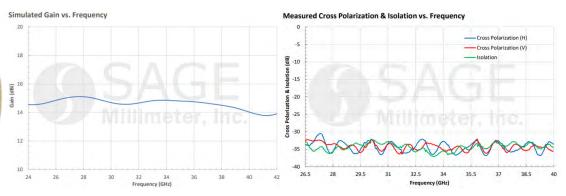


SAF-4036031340-219-S1-188-DP 40 to 60 GHz



SAF-2434231535-328-S1-280-DP 24 to 42 GHz





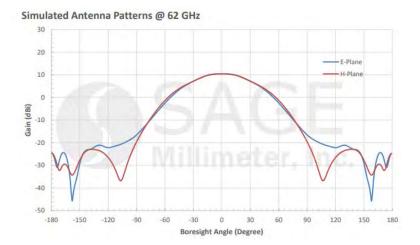
DUAL POLARIZED CHOKE HORN ANTENNA

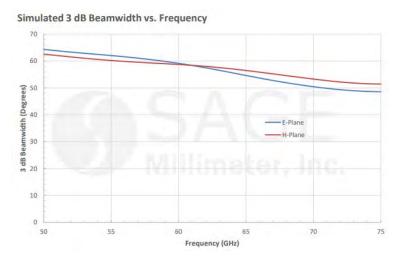
FAMILY: <u>SAH</u> 24 to 110 GHz

4 Models: Full Waveguide Bandwidth









OMNIDIRECTIONAL ANTENNA

FAMILY: <u>SAO</u> 26.5 to 140 GHz

More Than 20 Models: Full Waveguide Bandwidth



SAO-9031440345-08-S1 90 to 140 GHz



SAO-2734030345-28-S1 26.5 to 40 GHz

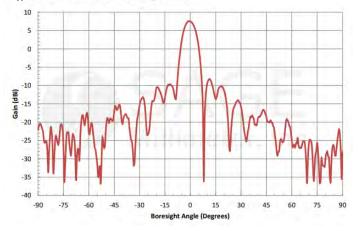


SAO-6039030230-12-S1 60 to 90 GHz

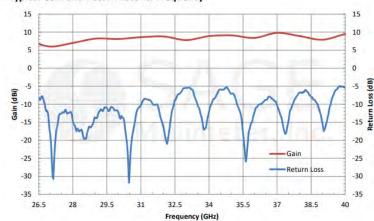


SAO-2734030810-28-S1 26.5 to 40 GHz

Typical E-Plane Antenna Pattern @ 33 GHz



Typical Gain and Return Loss vs. Frequency



AMPLIFIERS

FAMILY: SBB10 MHz to 95 GHz

ULTRA BROADBAND AMPLIFIER

More Than 30 Models: Up to 95 GHz



SBB-5039532510-1F1F-S1 50 to 95 GHz



SBB-1834232815-KFKF-E3 18 to 42 GHz

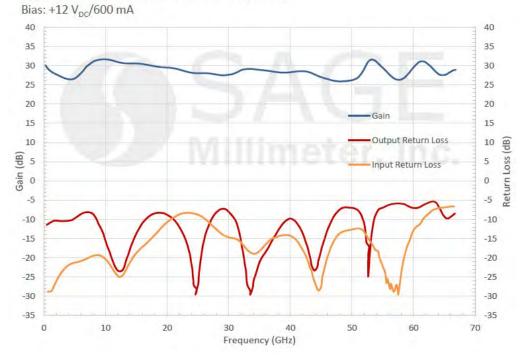


SBB-0115033218-2F2F-E3 10 MHz to 50 GHz



SBB-1834034018-KFKF-E3 18 to 40 GHz

Typical Gain and Return Loss vs. Frequency



BROADBAND LOW NOISE AMPLIFIER

FAMILY: <u>SBL</u> 0.3 to 270 GHz

More Than 100 Models: Up To Full Waveguide Bandwidth



SBL-2242741585-0303-E1 220 to 270 GHz



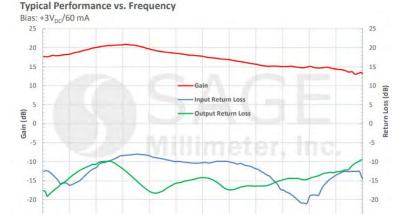
SBL-5539532560-1212-E1 55 to 95 GHz



SBL-7531143550-1010-E1 75 to 110 GHz



SBL-3335033040-2222-E1 33 to 50 GHz

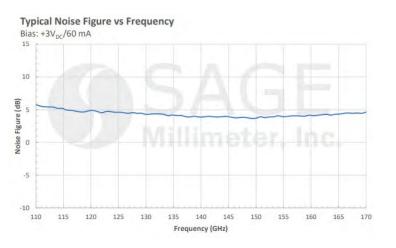


140

145 150

155 160

115 120 125 130 135



BROADBAND POWER **AMPLIFIER**

FAMILY: SBP 18 to 230 GHz

More Than 200 Models: Up To Full Waveguide Bandwidth



SBP-2142341507-0404-E1 210 to 230 GHz



SBP-3335034520-2222-E1 33 to 50 GHz

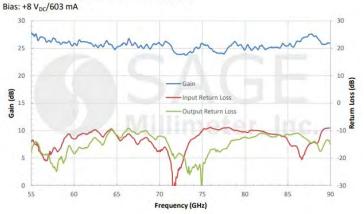


SBP-6039032516-1212-S1 60 to 90 GHz

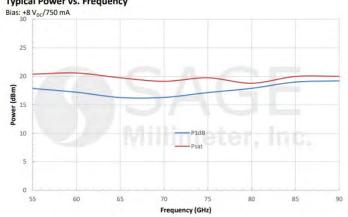


SBP-2734034526-2828-E1 26.5 to 40 GHz

Typical Gain and Return Loss vs. Frequency



Typical Power vs. Frequency



MULTIPLIERS

BROADBAND PASSIVE MULTIPLIER

FAMILY: <u>SFA</u> 22 to 330 GHz

More Than 40 Models: Up To Full Waveguide Bandwidth



SFP-03310-UEB 220 to 330 GHz



SFP-104KF-S2 75 to 110 GHz



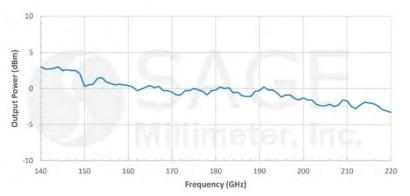
SFP-05210-S2 140 to 220 GHz



SFP-243423303-28SF-S1 24 to 42 GHz

Typical Output Power vs. Frequency

 P_{in} = +16 dBm



Typical Output Power vs Frequency

Input Power: +17 dBm (Typical)

10
5
0
-5
-20
-25
-30
75.0 80.0 85.0 90.0 95.0 100.0 105.0 110.0

Frequency (GHz)

BROADBAND ACTIVE MULTIPLIER

FAMILY: SFA 20 to 220 GHz

More Than 150 Models: Up To Full Waveguide Bandwidth



SFA-753114616-10SF-E1 75 to 110 GHz



SFA-194SF-E1 40 to 60 GHz



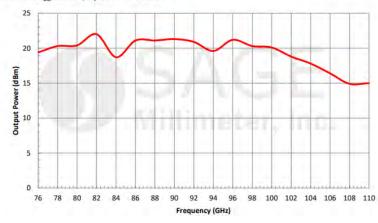
SFA-194224208-0510-E1 190 to 220 GHz



SFA-282SF-E1 26.5 to 40 GHz

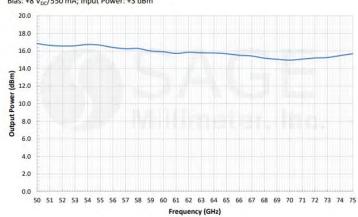
Typical Output Power vs. Frequency

Bias: +13 Vpc/ 550 mA, Input Power: +3 dBm



Typical Output Power vs. Frequency

Bias: +8 V_{pc}/550 mA; Input Power: +3 dBm



CONVERTERS

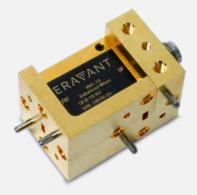
BROADBAND BALANCED MIXER

FAMILY: <u>SFB</u> 11 to 220 GHz

More Than 30 Models: Full Waveguide Bandwidth



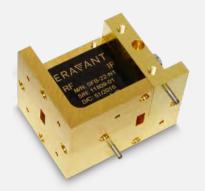
SFB-05-E2 140 t0 220 GHz



SFB-10-N1 75 to 110 GHz



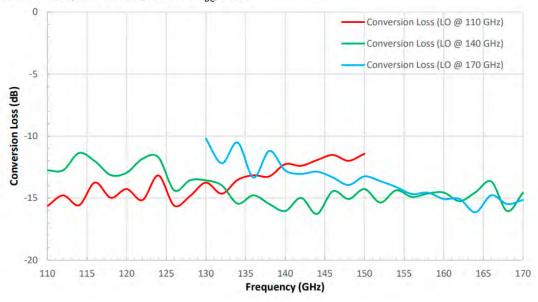
SFB-06-E2 110 to 170 GHz



SFB-22-N1 33 to 50 GHz

Typical Conversion Loss vs. Frequency

RF: -20 dBm; LO: +3 dBm, Bias: +5 V_{DC}/1 mA



QUADRATURE MIXER

FAMILY: SFS 20 to 112 GHz

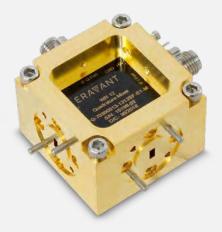
More Than 25 Models



SFQ-11411415-0808SF-N1 110 to 112 GHz



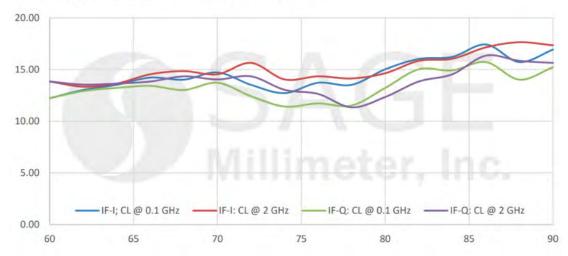
SFQ-40360312-1919SF-N1-M 40 to 60 GHz



SFQ-60390315-1212SF-E1-M 60 to 90 GHz

Typical Conversion Loss vs. LO Frequency

Bias: +5Vdc/1mA, RF= -20 dBm, LO= +10 dBm



DETECTORS

BROADBAND AMPLITUDE DETECTOR

FAMILY: <u>SFD</u> 18 to 220 GHz

More Than 20 Models: Full Waveguide Bandwidth



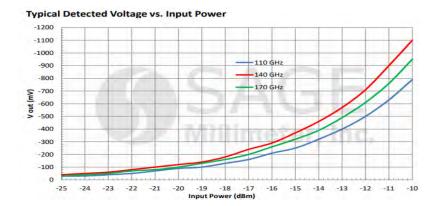
SFD-144224-05SF-N1 140 to 220 GHz

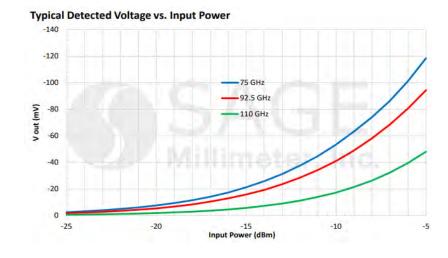


SFD-753114-10SF-N1 75 to 110 GHz



SFD-114174-06SF-N1 110 to 170 GHz





SYNTHESIZERS

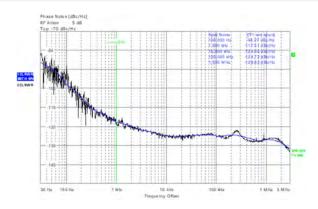
FREQUENCY SYNTHESIZER

FAMILY: SOT 100 MHz to 20 GHz

3 Models: Two-Decade Bandwidth

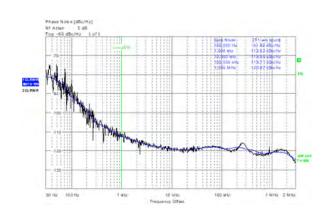


SOT-01210313200-SF-B6 100 MHz to 10 GHz Low Phase Noise



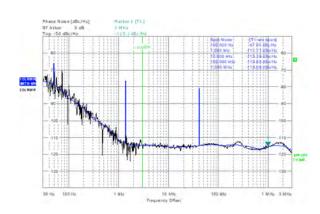


SOT-02215300200-SF-E6 200 MHz to 20 GHz High Speed





SOT-02220313200-SF-B6 200 MHz to 20 GHz Low Phase Noise



CONTROL DEVICES

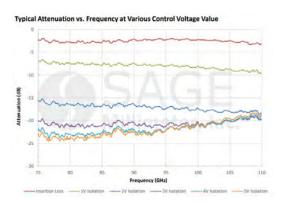
PIN DIODE ATTENUATOR

FAMILY: <u>SKA</u> 18 to 110 GHz

More Than 20 Models: Full Waveguide Bandwidth

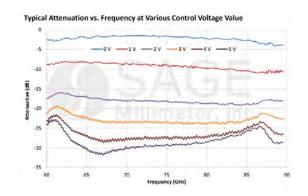


SKA-7531142520-1010-A1 75 to 110 GHz



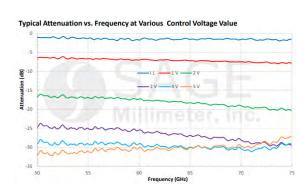


SKA-6039033030-1212-A1 60 to 90 GHz





SKA-5037533030-1515-A1 50 to 75 GHz



COAXIAL PROGRAMMABLE ATTENUATOR

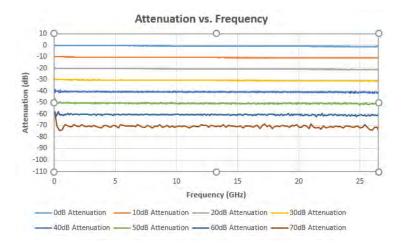
FAMILY: <u>STA</u> DC to 50 GHz, Up to 110 dB

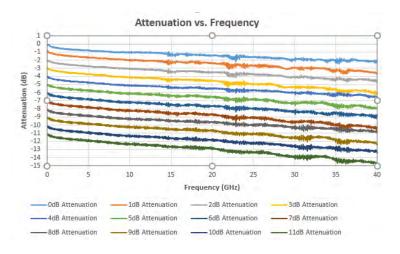
More Than 15 Models: 1 dB, 5 dB, 10 dB Step Size

Features:

- DC to 50 GHz Coverage
- High Attenuation Value up to 110 dB
- Step Size, 1 dB, 5 dB and 10 dB Available
- TTL Control via Logic Table
- Low DC Power Once Latching







WAVEGUIDE DIRECT READING AND PROGRAMMABLE ATTENUATOR

FAMILY: STA 50 to 330 GHz

More Than 10 Models: Full Waveguide Bandwidth



STA-40-03-S1 220 to 330 GHz

Parameter	Minimum	Typical	Maximum
Frequency Range	220 GHz		330 GHz
Insertion Loss		4.5 dB	
Attenuation Range	0 dB		40 dB
Attenuation Accuracy	0.25 dB or 4.5% of reading, whichever is larger, up to 40 dB		
Attenuation Resolution	0.1 dB from 0 to 10 dB, 0.2 dB from 10 to 30 dB, 0.5 dB from 30 to 40 dB		
Return Loss		15 dB	
Operating Voltage	+24 V _{DC} (100 to 240 V _{AC} Adapter is Supplied)		
Power Handling			10 mW (CW)
Specification Temperature		+25 °C	
Operating Temperature	+5 °C		+35 °C

WAVEGUIDE FIXED ATTENUATOR



More Than 140 Models: Full Waveguide Bandwidth



STA-30-03-F1 220 to 330 GHz, 30 dB

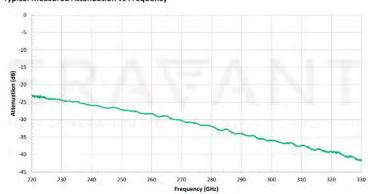


STA-30-10-FS-40 75 to 110 GHz, 10 Watts

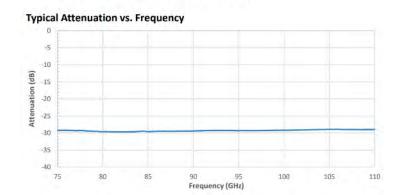


STA-30-28-F2 26.5 to 40 GHz, 30 dB

Typical Measured Attenuation vs Frequency



W-Band Fixed Attenuator, 30 dB, 10 Watts



PIN DIODE SPST SWITCH

More Than 10 Models: Full Waveguide Bandwidth



SKS-2242946035-0303-R1-M 220 to 290 GHz



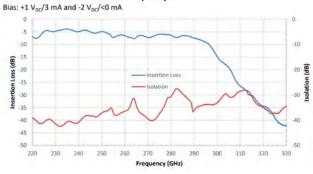
SKS-0525035050-2F2F-A3 0.5 to 50 GHz

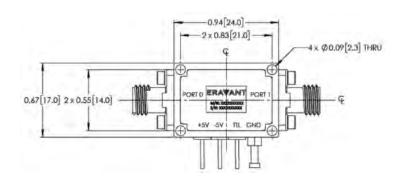


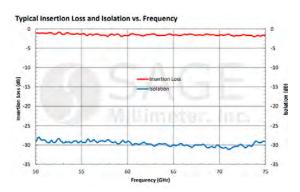
SKS-5037533030-1515-R1 50 to 75 GHz

FAMILY: SKS

Insertion Loss and Isolation vs. Frequency



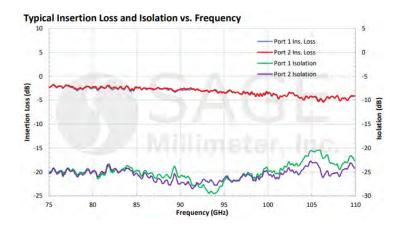


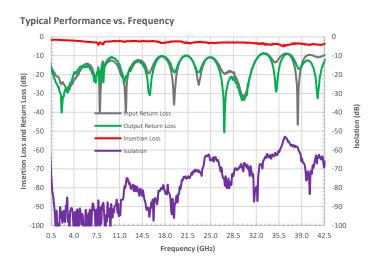


PIN DIODE SPDT SWITCH

FAMILY: <u>SKD</u> 0.5 to 110 GHz



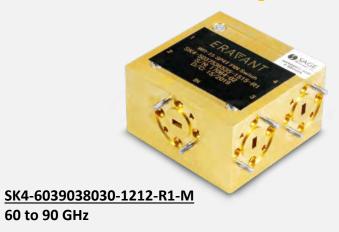




PIN DIODE SP4T SWITCH

FAMILY: SK4 0.5 to 90 GHz

More Than 10 Models: Full Waveguide Bandwidth

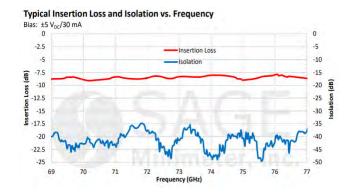




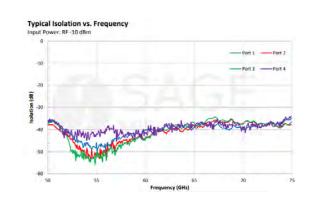


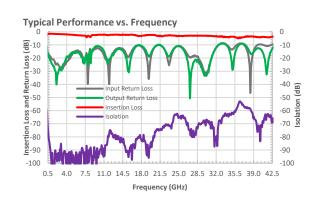
SK4-5037536535-1515-R1-M 50 to 75 GHz

SK4-0524335060-KFKF-A3 0.5 GHz to 43 GHz



60 to 90 GHz





FAMILY: <u>SK8</u> 0.5 to 40 GHz

PIN DIODE SP8T SWITCH

2 Models: 0.5 to 40 GHz Bandwidth

Features:

0.5 to 40 GHz

- Low Insertion Loss
- High Isolation
- Absorptive



WAVEGUIDE MOTORIZED **SWITCH**

FAMILY: SWJ 18 to 220 GHz

11 Models: Full Waveguide Bandwidth



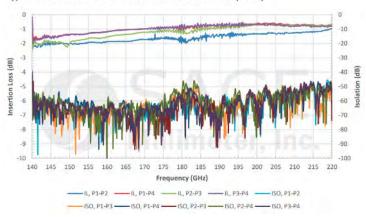
SWJ-15-T1 50 to 75 GHz

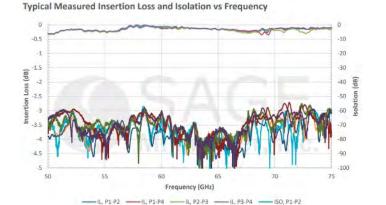


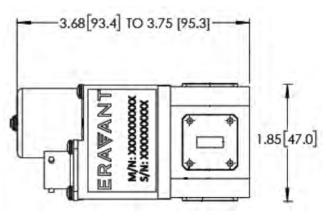


Typical Measured Insertion Loss and Isolation vs Frequency

SWJ-05-T1







FERRITE DEVICES

FARADAY ISOLATOR

FAMILY: STF 18 to 260 GHz

More Than 20 Models: Full Waveguide Bandwidth



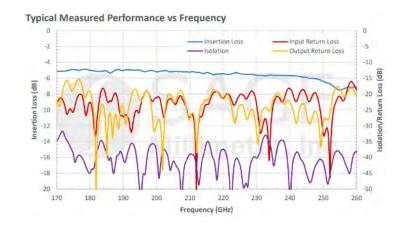
STF-04-S1 170 to 260 GHz

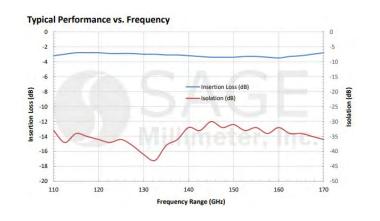


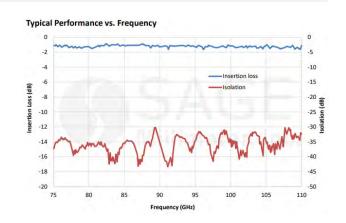
STF-06-S1 110 to 170 GHz



STF-10-S1 75 to 110 GHz







COMPACT FARADAY ISOLATORS

FAMILY: STF 18 to 265 GHz

More Than 10 Models: Full Waveguide Bandwidth



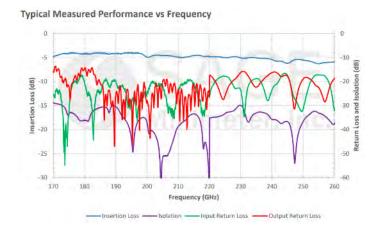
STF-04-S1-M 170 to 260 GHz

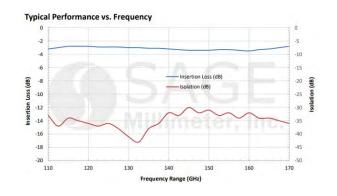


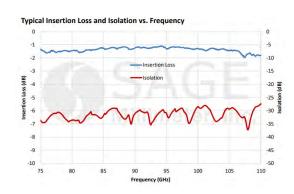
STF-06-S1-C 110 to 170 GHz



STF-10-S1-C 75 to 110 GHz







PASSIVE WAVEGUIDE COMPONENTS

WAVEGUIDE TO COAX ADAPTER (RIGHT ANGLE)

FAMILY: <u>SWC</u> 8.2 to 110 GHz

More Than 60 Models: Full Waveguide Bandwidth



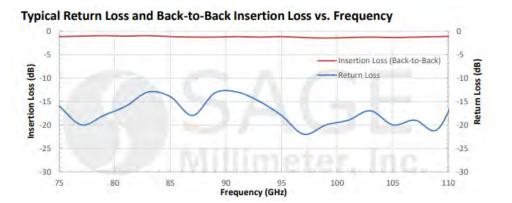
SWC-101F-R1 75 to 110 GHz

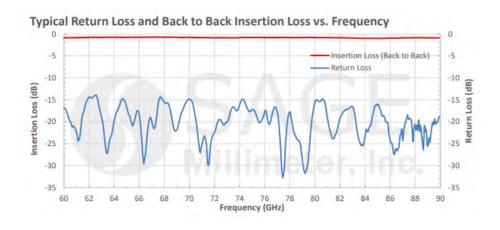


SWC-121M-R1 60 to 90 GHz



SWC-15VF-R1 50 to 75 GHz





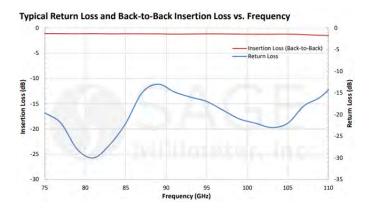
WAVEGUIDE TO COAX ADAPTER (END LAUNCH)

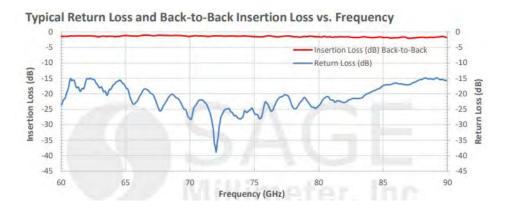
FAMILY: <u>SWC</u> 8.2 to 110 GHz







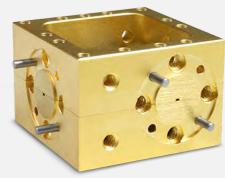




WAVEGUIDE DIRECTIONAL COUPLER

FAMILY: SWD18 to 330 GHz

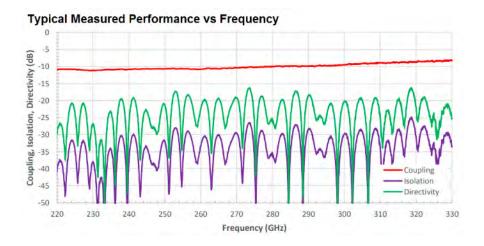
More Than 180 Models: Full Waveguide Bandwidth

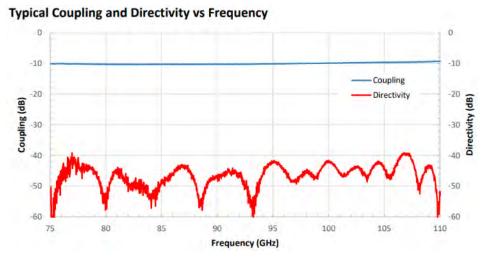


SWD-1020H-03-SB 220 to 330 GHz, 10 dB



SWD-1040H-10-DB 75 to 110 GHz, 10 dB





WAVEGUIDE CROSSGUIDE COUPLER

FAMILY: SWX 26.5 to 110 GHz

More Than 30 Models: Full Waveguide Bandwidth



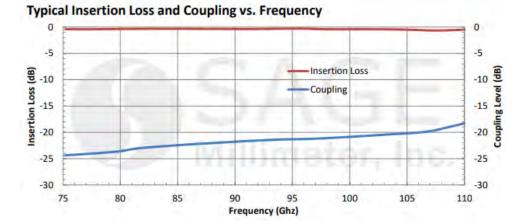
SWX-75311420-10-4B 75 to 110 GHz, 20 dB

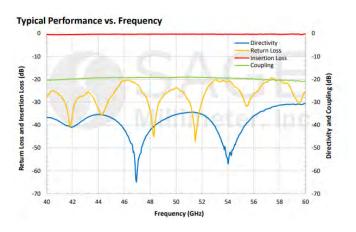


SWX-50375330-15-4B 50 to 75 GHz, 30 dB



SWX-40360320-19-4B 40 to 60 GHz, 20 dB





WAVEGUIDE POWER DIVIDERS

FAMILY: <u>SWP</u>
18 to 330 GHz

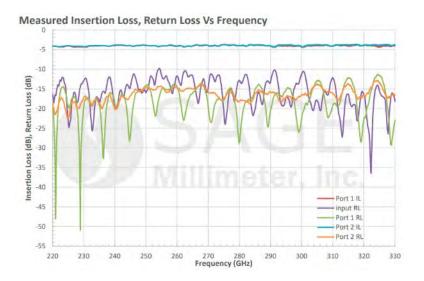
More Than 35 Models: Full Waveguide Bandwidth



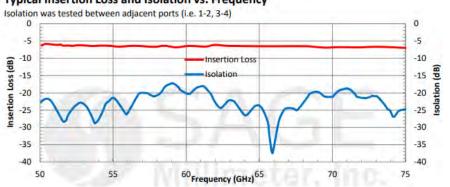
SWP-22433402-03-S1 220 to 330 GHz, 2 Ways



SWP-50375304-15-E1 50 to 75 GHz, 4 Ways



Typical Insertion Loss and Isolation vs. Frequency



RECTANGULAR WAVEGUIDE (RIGID)

FAMILY: <u>SWG</u> 18 to 325 GHz

More Than 500 Models: WR-03 to WR-42



SWG-03010-FB WR-03 Straight Section, 1"



SWG-10020-FB WR-10 Straight Section, 2"



SWB-06090-EB WR-06 E-Plane Bend, 90°



SWB-10090-HB WR-10 H-Plane Bend, 90°



SWB-10090-TB WR-10 Twist, 90°



SWB-12090-TB WR-12 Twist, 90°

RECTANGULAR WAVEGUIDES (FLEXIBLE)

FAMILY: <u>SWG</u> 7.05 to 110 GHz

More Than 50 Models: WR-10 to WR-112



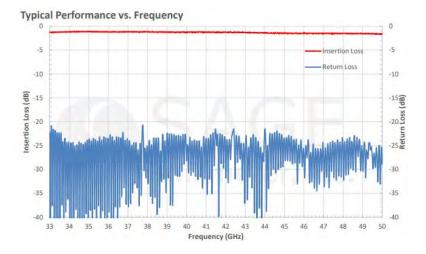
SWG-10020-FB-F WR-10 Length 2"

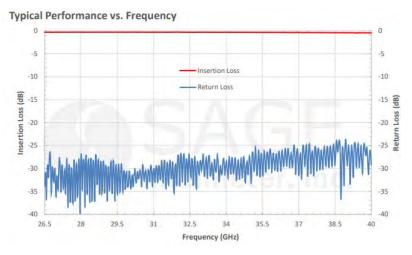


SWG-22236-FB-FT-A-G WR-22 Length 23.6"



SWG-28059-FB-FT-G WR-28 Length 5.9"





PASSIVE COAXIAL COMPONENTS

COAXIAL DIRECTIONAL COUPLERS

FAMILY: SCD 1 to 50 GHz, 10 to 67 GHz

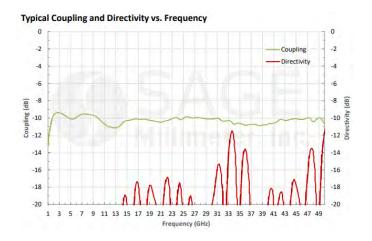
More Than 25 Models: Broad Bandwidth

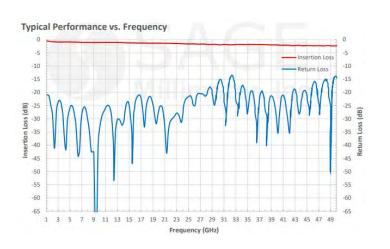


SCD-0136731008-VF-SA 1 to 67 GHz, 10 dB



SCD-0135032008-2F-SA 1 to 50 GHz, 20 dB





COAX POWER DIVIDERS

FAMILY: SCS 1 to 65 GHz

More Than 50 Models: 2 Way, 4 Way, 8 Way, 16 Way



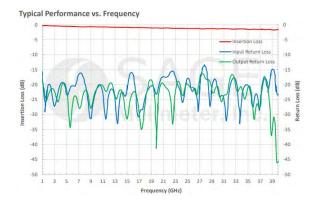
SCS-0134031215-KFKF-22 1 to 40 GHz, 2 Way

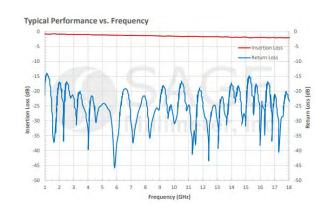


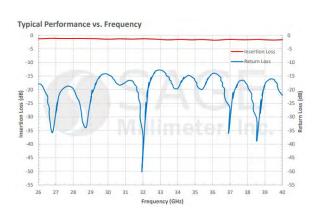
SCS-0134035014-KFKF-42 1 to 40 GHz, 4 Way



SCS-1034032615-KFKF-82 10 to 40 GHz, 8 Way







COAXIAL ADAPTER (IN SERIES)

FAMILY: SCT DC to 110 GHz

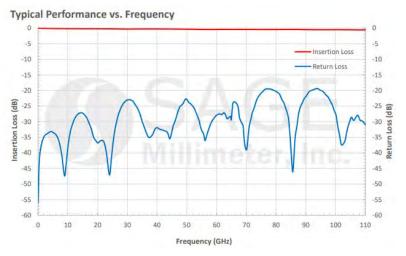
More Than 60 Models: 1 mm, 1.85 mm, 2.4 mm, 2.92 mm

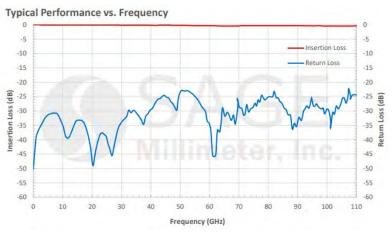


SCT-1F1F-UB
DC to 110 GHz



SCT-1M1M-UB DC to 110 GHz





COAXIAL ADAPTER (BETWEEN SERIES)

FAMILY: SCT DC to 90 GHz

More Than 90 Models: 1 mm, 1.35 mm, 1.85 mm, 2.4 mm, 2.92 mm

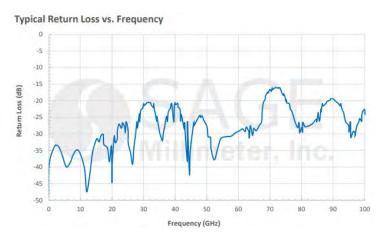


SCT-AF1M-UB DC to 100 GHz



SCT-AF1F-UB DC to 100 GHz





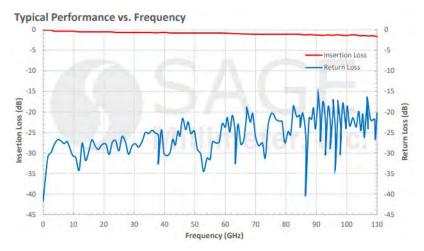
COAXIAL CABLE (FLEXIBLE)

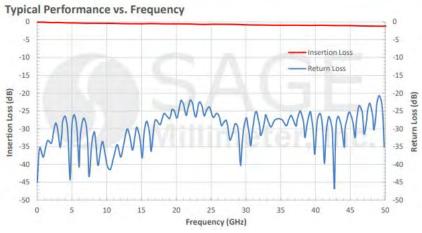
FAMILY: <u>SCW</u> DC to 110 GHz

More Than 100 Models: 1 mm, 1.35 mm, 1.85 mm, 2.4 mm, 2.92 mm









COAXIAL CABLE (SEMI-RIGID)

FAMILY: <u>SCW</u> DC to 110 GHz

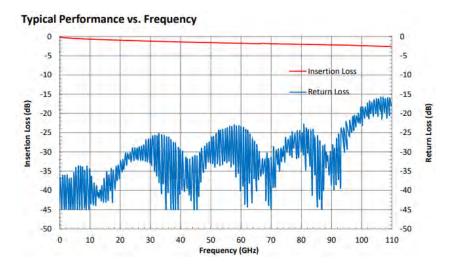
More Than 50 Models: 1 mm, 1.85 mm, 2.4 mm, 2.92 mm

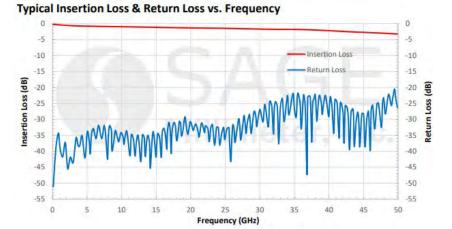


SCW-1M1M006-S1 DC to 110 GHz, 6"



SCW-2M2M012-S1 DC to 50 GHz, 12"





TEST EQUIPMENT

WAVEGUIDE NOISE SOURCES

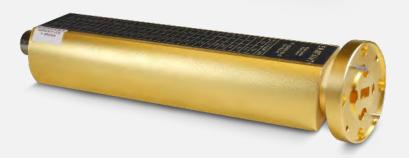
FAMILY: <u>STZ</u> 26.5 to 170 GHz

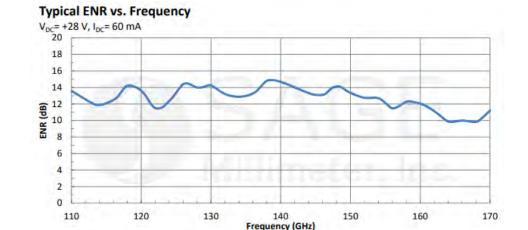
More Than 20 Models: Full Waveguide Bandwidth

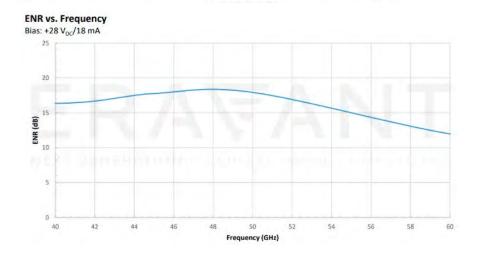




STZ-19-02 40 to 60 GHz







COAXIAL NOISE SOURCES

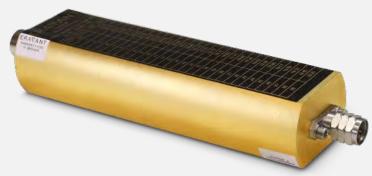
FAMILY: <u>STZ</u>0.5 to 67 GHz

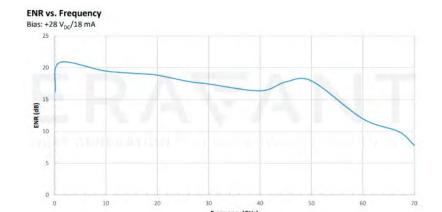
Wide Bandwidth: 1.85 mm, 2.4 mm, 2.92 mm

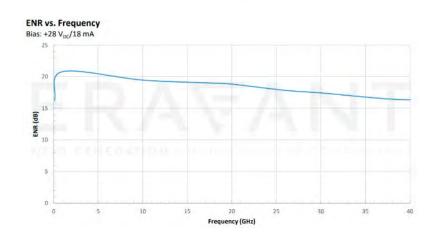
STZ-05267313-VM-0T2 0.5 to 67 GHz



STZ-05240318-KM-02 0.5 to 40 GHz







SPECTRUM ANALYZER HARMONIC MIXER

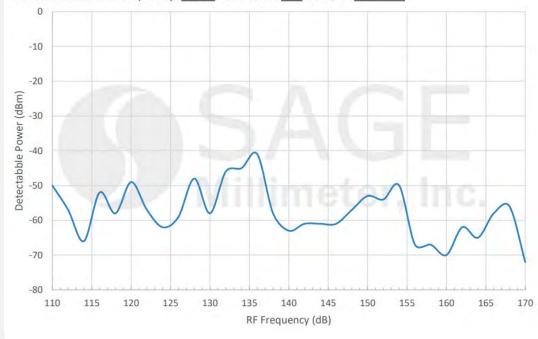
FAMILY: STH
18 to 170 GHz

More Than 8 Models: Full Waveguide Bandwidth



Detectable Power versus RF Frequency

Test Condition: LO Frequency: RF/30; LO Power: +16 dBm; IF: 300 MHz



COAXIAL VNA CALIBRATION KIT

FAMILY: STQ-TODC to 67 GHz

4 Models: Each Kit Includes Male & Female Shorts, Opens and Loads, Adapters, Torque Wrench and Calibration Data



STQ-TO-VFVM-U3-CKIT1 1.85 mm, DC to 67 GHz



STQ-TO-2F2M-U3-CKIT1 2.4 mm, DC to 50 GHz



STQ-TO-KFKM-U3-CKIT1 2.92 mm, DC to 40 GHz



STQ-TO-3F3M-U3-CKIT1 DC to 26.5 GHz

WAVEGUIDE VNA CALIBRATION KIT

FAMILY: STQ-TO
18 to 220 GHz

More Than 20 Models: Optional Equipment Includes Proxi-FlangeTM Contactless Waveguide Adapters



STQ-TO-05-S1-CKIT1-CF 140 to 220 GHz with Proxi-Flange™

SYNTHESIZER/SWEEPER FREQUENCY EXTENDER

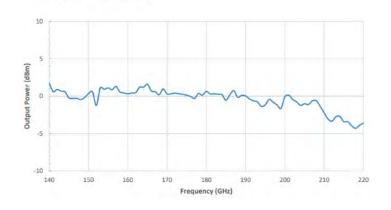
FAMILY: STE40 to 220 GHz

9 Models: WR-05 to WR-19 Bands



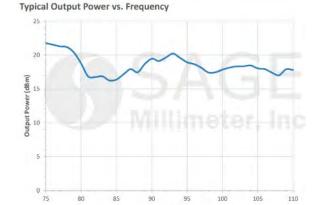
STE-154224KF1205-N03-S1 140 to 220 GHz, 0 dBm







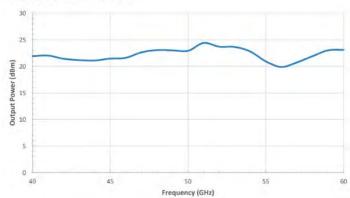
STE-SF610-S1 75 to 110 GHz, +16 dBm





STE-SF419-S1 40 to 60 GHz, +20 dBm

Output Power vs. Frequency



FREQUENCY DOWN-CONVERTERS

FAMILY: <u>STC</u> 26.5 to 220 GHz

More Than 20 Models: WR-05 to WR-28 Bands



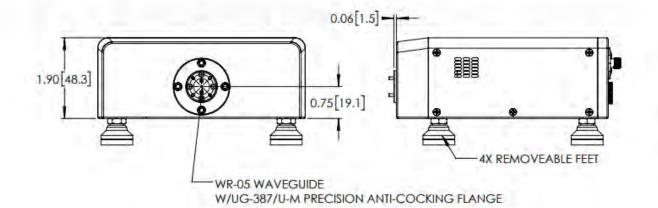
STC-N15-05-S1 140 to 220 GHz

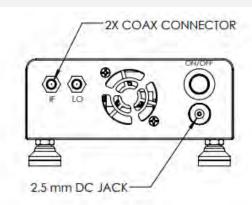


STC-N15-06-S1 110 to 170 GHz



STC-N12-15-S1 50 to 75 GHz





NOISE FIGURE & GAIN TEST EXTENDER

FAMILY: <u>STG</u> 26.5 to 170 GHz

More Than 8 Models: WR-06 to WR-28 Bands



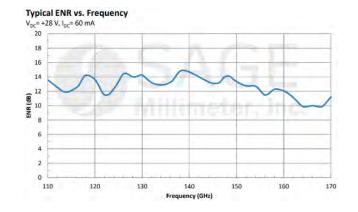
STG-06-S1 110 to 170 GHz

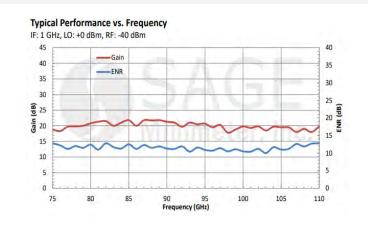


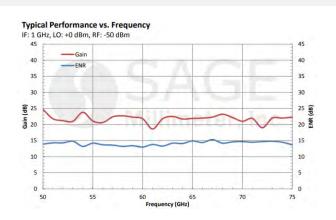
STG-10-S1 75 to 110 GHz



STG-15-S1 50 to 75 GHz







COAX CABLE (VECTOR NETWORK ANALYZER)

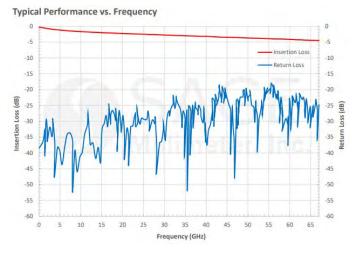
FAMILY: STQ-CW
DC to 67 GHz

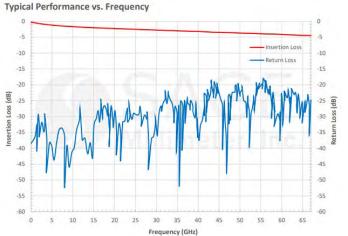
More Than 10 Models: 1.85 mm, 2.4 mm, 2.92 mm, 3.5 mm





STQ-CW-VFVM025-F1 DC to 67 GHz, 25"

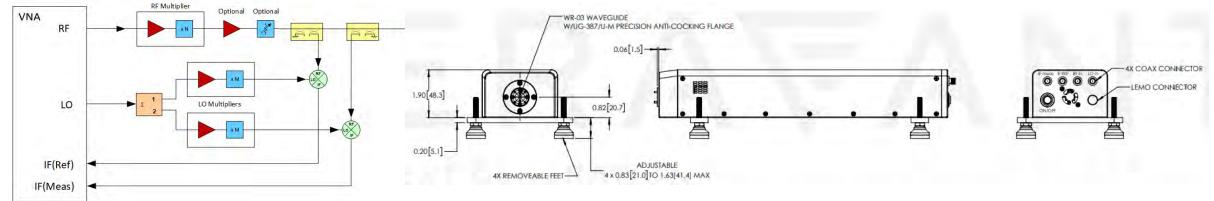




VECTOR NETWORK ANALYZER FREQUENCY EXTENDER

FAMILY: STO 50 to 330 GHz





PROXI-FLANGETM CONTACTLESS WAVEGUIDE FLANGE

FAMILY: <u>STQ-WG</u>
18 to 330 GHz

Waveguide Bands: WR-03 to WR-42

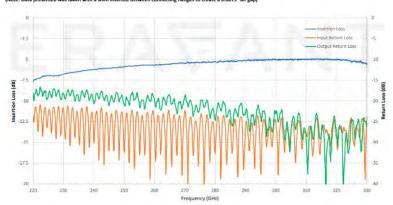
STQ-WG-03025-FB-CF 220 TO 330 GHz



STQ-WG-34025-FB-CF 22 to 33 GHz



Typical Measured Performance vs Frequency
(Note: Data presented was taken with a ship inserted between connecting flanges to



No Waveguide Screws Required During Calibration and Testing

No Damage To Waveguide Interfaces
On Test System or Components

WAVE-GLIDETM RAIL SYSTEM FOR VNA FREQUENCY EXTENDERS

FAMILY: STQ-TL



Maintains Alignment Between VNA Frequency Extender Test Ports

Streamlines and Simplifies Calibration and Testing Procedures

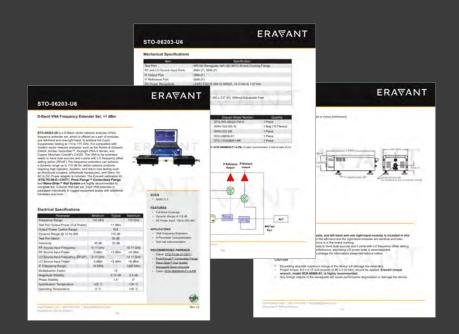
ERAFANT

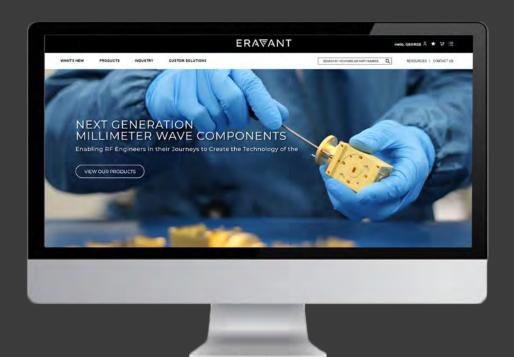
NEXT GENERATION MILLIMETERWAVE COMPONENTS

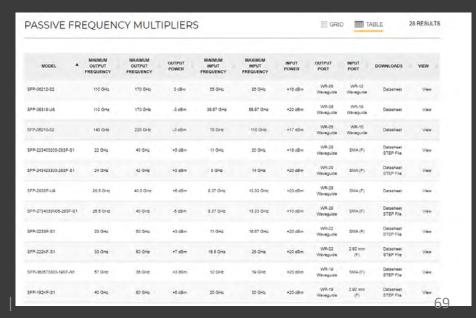
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Website: www.tactron.de