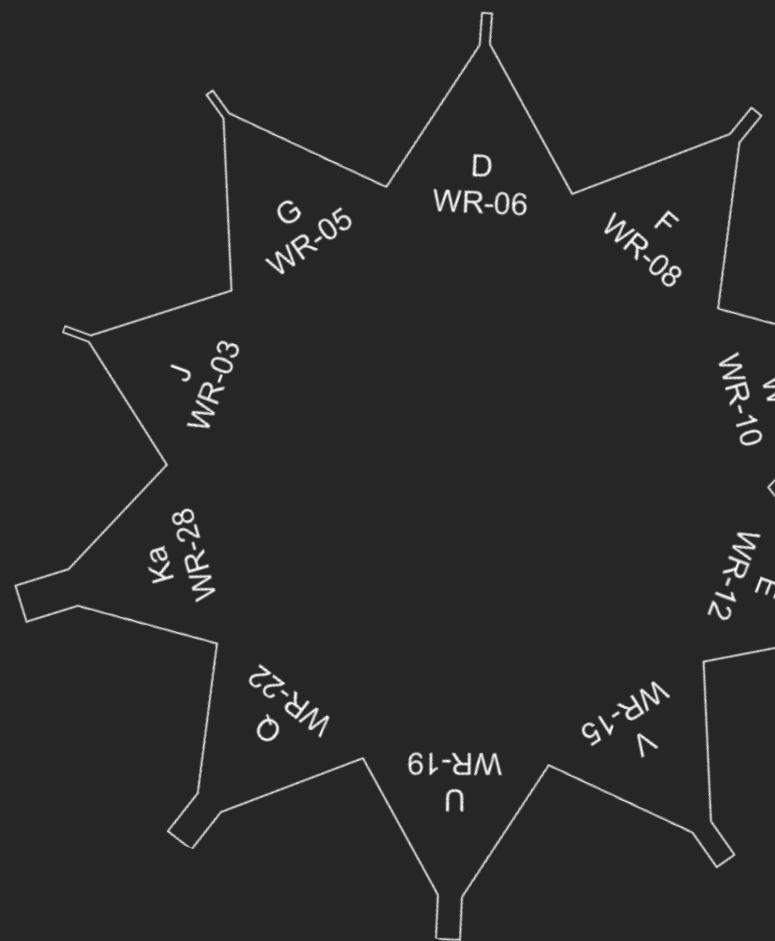


ERA_{ANT}

MAKING MILLIMETERWAVE ACCESSIBLE

K-BAND

April 2026



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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 K-Band (18 to 26.5 GHz)**
- The entire K-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-4234-LA



Flange Adapters
SWR-383595-42-S1



**Rectangular to Circular
Mode Transitions**
SWT-42470-SA



Bulkhead Adapters
SWW-4205-SB

Adapters/Transitions



Waveguide to Coax Adapters

SWC-42KF-R1/SWC-42KM-R1

SWC-42KF-E1/SWC-42KM-E1

AMPLIFIERS

Amplifiers



Low Noise Amplifiers

SBL-1832734025-KFKF-S1



Medium Power Amplifiers

SBP-1834331824-KFKF-E3



High Power Amplifiers

SBP-1832736850-KF42-EP



Broadband Amplifiers

SBB-1834033022-KFKF-E3

ANTENNA FEED COMPONENTS

Antenna Feed Components



Orthomode Transducers
SAT-FK-42042-S1



Linear to Circular Polarizers
SAS-203-47042-F1

ANTENNA MEASUREMENT SYSTEMS/ACCESSORIES

Antenna Measurement Systems/Accessories



Mounting Fixtures
SAX-MT0880-SL1



Standard Gain Horn Assembly
STY-MAA-AZ-42KF-R1



**Open Ended Waveguide
Probe Assembly**
STY-MAA-AP-42KF-R1

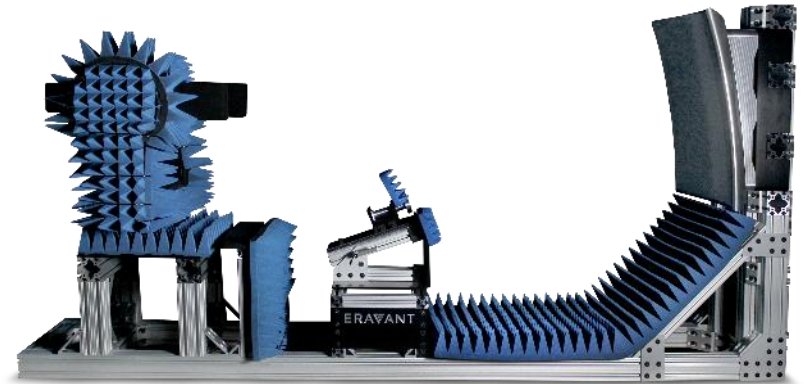
Antenna Measurement Systems/Accessories



**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-1532-42-S2



Open Ended Waveguide Probes
SAP-42-R2-6.0



Conical Horns
SAC-2309-470-S2



Choke Corrugated Horns
SAH-1832731060-470-S1



Scalar Corrugated Horns
SAF-1832731535-470-S1

Antennas



Omnidirectional Antennas

SAO-1834030345-KF-S1



Lens Antennas

SAL-2232732212-368-S1



Spot Focusing Lens Antennas

SAQ-233039-396-S1



Microstrip Patch Array

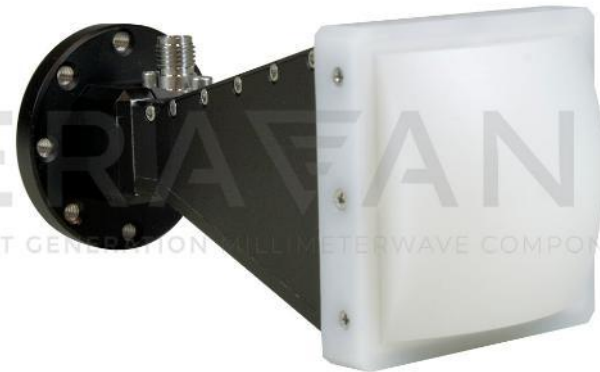
SAM-2432432205-42-L1

Antennas



Dual Ridged Broadband Antenna

SAR-1834031432-KF-S2-DR



Quad-Ridged Broadband Antenna

SAV-1834031920-KF-S1-QR

ATTENUATORS

Attenuators



Fixed Attenuators
STA-30-42-F1



Level Setting Attenuators
STA-30-42-M1



**Hybrid Programmable/Direct
Reading Rotary Vane Attenuators**
STA-60-42-S1

CALIBRATION KITS

Waveguide Calibration Kits for VNA



Waveguide Calibration Kit
STQ-TO-42-S1-CKIT1



Waveguide Calibration Kit with Proxi-Flange™ Contactless Flange
STQ-TO-42-S1-CKIT1-CF

COUPLERS

Couplers



Directional Couplers
SWD-1040H-42-SB



Bi-Directional Couplers
SWD-1040H-42-BB



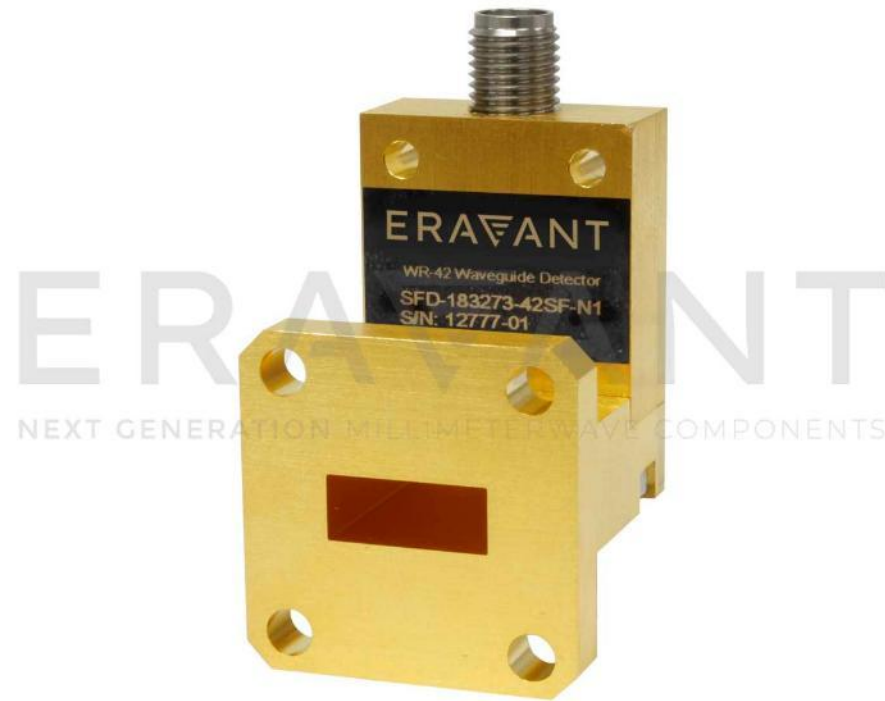
Dual-Directional Couplers
SWD-1040H-42-DB



Cross-Guide Couplers
SWX-18327340-42-4B

DETECTORS

Detectors



Amplitude Detectors
SFD-183273-42SF-N1

FERRITE DEVICES

Ferrite Devices



Faraday Isolators

STF-42-S1

FILTERS

Filters



Bandpass Filters
SWF-19302240-42-B1



Highpass Filters
SWF-24323340-42-H1

FREQUENCY MULTIPLIERS

Frequency Multipliers



Active Multipliers

SFA-203403220-KFSF-S1

MAGIC TEES

Magic Tees

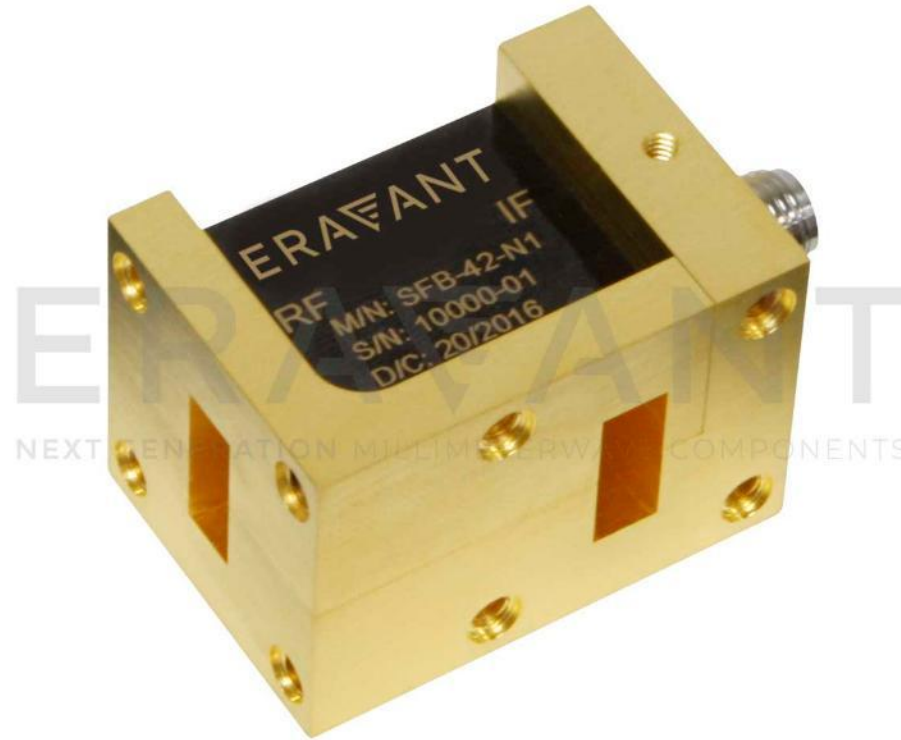


Magic Tees

SWM-18327320-42-SB

MIXERS

Mixers



Balanced Mixers
SFB-42-N1

NOISE SOURCES

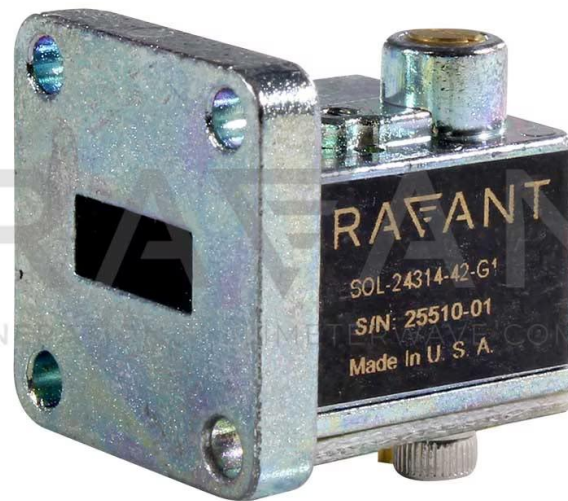
Noise Sources



Noise Source
STZ-05240318-KM-0T2

OSCILLATORS

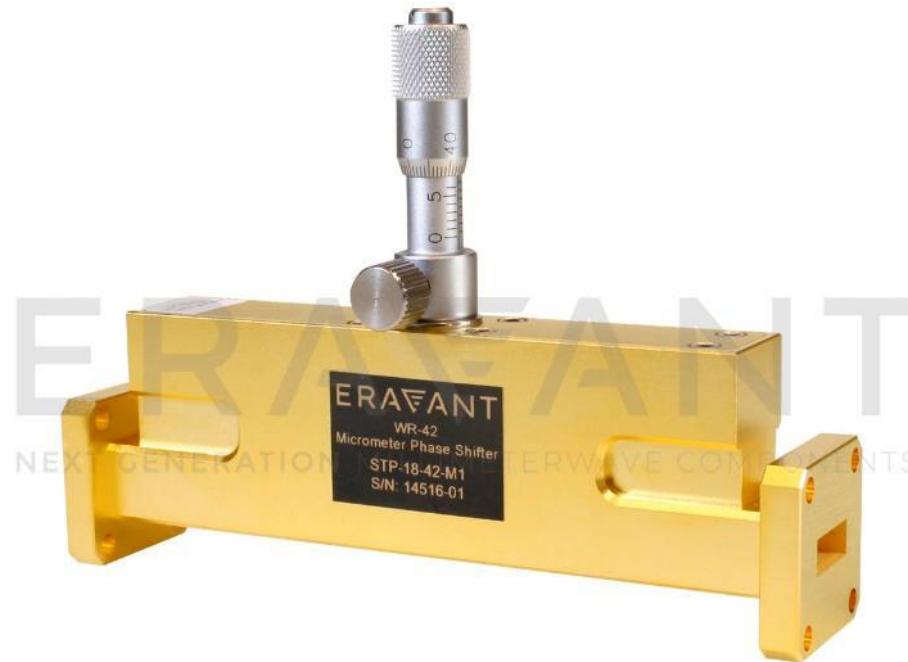
Oscillators



Low-Cost Volume Production Oscillators
SOL-24311-42-G1

PHASE SHIFTERS

Phase Shifters



Mechanically Tunable Phase Shifter
STP-18-42-M1

POWER DIVIDERS

Power Dividers



2-Way Power Dividers
SWP-18327302-42-S1-2



4-Way Power Dividers
SWP-18327304-42-E1

Proxi-Flange™ Contactless Flange

Proxi-Flange Contactless Flange Waveguide Straight



Proxi-Flange™ Contactless Flange
STQ-WG-42025-FB-CF

US Patent ID
US12199691B2

RADAR SENSORS

Radar Sensors



Radar Target Simulators

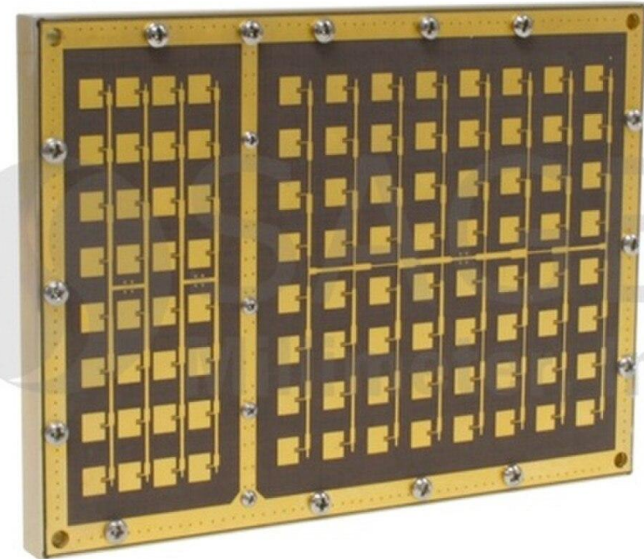
STR-243-42-D1

STR-243-42-L1

Radar Sensors



Doppler Sensor
SSS-24307-22M-D1



Integrated Ranging Sensor
SSD-24307-2216M-A1

SWITCHES

Switches



Electromechanical Switches

SWJ-42-L1

SWJ-42-LM1

TERMINATION LOAD

Termination Loads



Low Power Loads
SWL-4233-S1



Medium Power Loads
SWL-4237-S1



High Power Loads
SWL-4257-S8

TX/RX MODULES

Tx/Rx Modules



Transmitters

SSR-2030533510-KF-SE1



Receivers

SST-2030533023-KF-SE1

TEST HARDWARE AND ACCESSORIES

Test Hardware and Accessories



Short
SWS-K3-F1



Flange Covers
SWH-WC-0880S-ERA

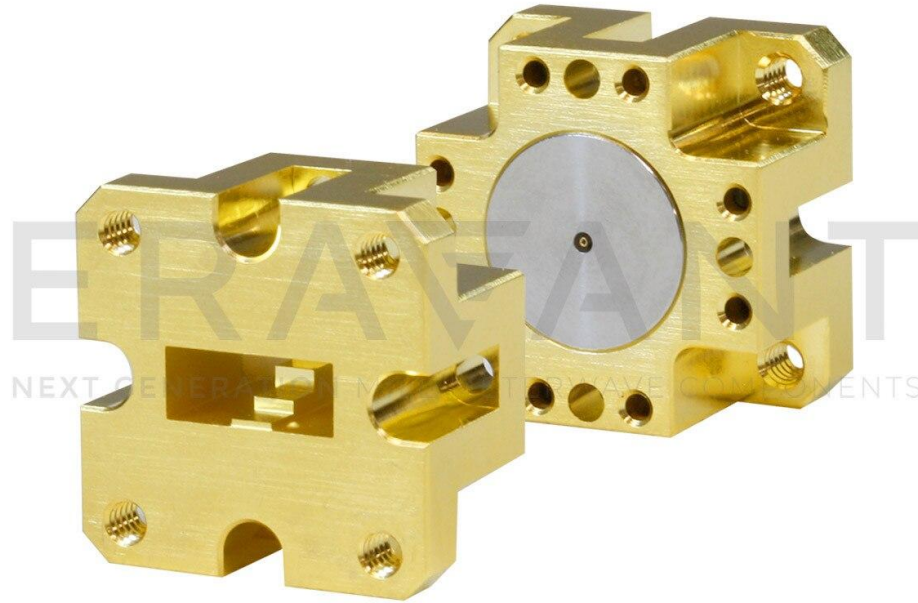


Shim/Spacers
SWI-42084-SB



UNI-GUIDE™ WAVEGUIDE CONNECTOR

Uni-Guide™ Waveguide Connector



Uni-Guide™ Waveguide Connector

SUF-4212-750-S1

US Patent ID

US11804681B1

WAVEGUIDE SECTIONS

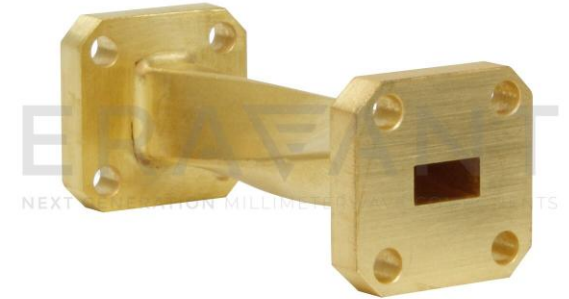
Waveguide Sections



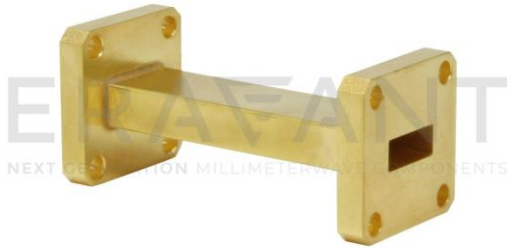
Waveguide E-Bend
SWB-42090-EB



Waveguide H-Bend
SWB-42090-HB



Waveguide Twist
SWB-42090-TB



Waveguide Straight
SWG-42010-FB

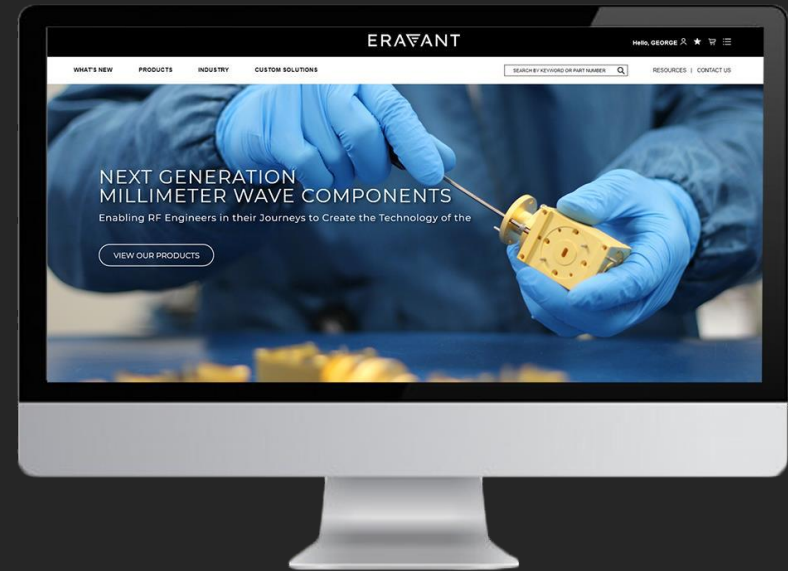


Flexible Waveguide
SWG-42118-FB-FT-G

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Featuring

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- 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-223403205-28SF-S1	22 GHz	40 GHz	+5 dBm	11 GHz	20 GHz	+18 dBm	WR-28 Waveguide	SMA (F)	Datasheet STEP File	View
SFP-243423303-28SF-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-FN1	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