



RAPIDTEK TECHNOLOGIES INC.

RF COMPONENTS • TEST ACCESSORIES • SATELLITE RF

RF COMPONENTS & TEST SOLUTIONS

PRODUCT LINE CARD 2026

From precision RF interconnects to complete test paths and satellite RF solutions.

DC - 110 GHz

UP TO 52 GHz SWITCHING

OTA + SATCOM

CONNECT

Precision interconnects

ROUTE

Switch & matrix paths

TEST

Shielding & automation

FROM COMPONENTS TO COMPLETE RF TEST PATHS

ONE RF PORTFOLIO

CONNECT. ROUTE. TEST.

RF components, automated routing, shielding and satellite RF solutions — built around the complete signal path.



CONNECTOR / ADAPTOR

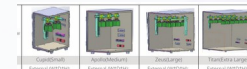
UP TO 110 GHz



Different types of switch

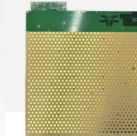
RF SWITCHING

UP TO 52 GHz



SHIELDING / OTA

>70 dB ISOLATION



SATELLITE RF

KU-BAND ARRAY

CONNECT • ROUTE • TEST



RAPIDTEK PRODUCT PORTFOLIO

One portfolio. Three RF layers.



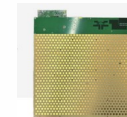
01 RF COMPONENTS

Connect & condition the signal



02 TEST & AUTOMATION

Route, convert & isolate



03 SATELLITE RF

Terminal & CubeSat communication

● RF Connector / Adaptor Up to 110 GHz

1.0 / 1.35 / 1.85 / 2.4 / 2.92 / 3.5 mm, SMA, N, SMP, SMPM, SMPS

● RF Coaxial Cable Up to 110 GHz

Super-flex, low-loss, high-frequency, semi-flex and semi-rigid

● Attenuator / Terminator 10 MHz - 67 GHz

Attenuation up to 50 dB; 50 Ω termination solutions

● RF Divider Up to 40 GHz

1-to-2 / 1-to-4 / 1-to-8; power <35 W

● RF Waveguide 12.4 - 110 GHz

WR62 to WR10; waveguide-to-coax options

● Standard Antenna 0.6 - 67 GHz

Horn, Vivaldi, coupler and dipole

● RF Tools Precision torque

1.0 / 1.85 / 2.4 / 2.92 / 3.5 mm, SMA, N

● RF Switch / Matrix / SSD Up to 52 GHz

Single switch, switch box, matrix and customized routing

● Up / Down Converter - Test 6 - 90 GHz options

Wi-Fi 6E/7, UWB, Ku, Ka and mmWave testing

● Shielding Box - OTA 0.6 - 12 GHz

Cupid, Apollo, Zeus, Titan; isolation >70 dB

● Conductive Box / Fixture 0.4 - 6.0 GHz

Thor, Hulk, Iron Man; customized production fixtures

● LEO User-Terminal Antenna Ku-band

32 x 32 = 1024 elements; Tx / Rx / hybrid phased array

● UHF Radio for CubeSat 370 - 470 MHz

1 - 5 W; 2.4 - 19.2 kbps; FSK / GFSK

● K / Ka Radio for CubeSat 18.5 - 29.5 GHz

Integrated SDR, up/down converter, PA and LNA

● Up / Down Converter - UT Ku-band UT

Full-duplex user-terminal converter with dual channels

COMPLETE RF TEST PATH

INSTRUMENT



CABLE



ADAPTOR



ATTEN. / DIV.



SWITCH



SHIELD / FIXTURE



DUT / ANTENNA

PRODUCT FAMILY	RANGE / PERFORMANCE	KEY OPTIONS	TYPICAL USE
RF COMPONENTS			
RF Connector / Adaptor	Few MHz - 110 GHz	1.0 to SMPS / SMA / N / SMP families	Interconnect, PCB, VNA, aerospace
RF Coaxial Cable	Up to 110 GHz	Super-flex / low-loss / semi-flex / semi-rigid	Measurement, comms, satellite
Attenuator / Terminator	10 MHz - 67 GHz	Attenuation up to 50 dB; 50 Ω	Level control, matching, port termination
RF Divider	Up to 40 GHz; <35 W	1-to-2 / 1-to-4 / 1-to-8	LAB, multi-channel, antenna test
RF Waveguide	12.4 - 110 GHz	WR62 / 51 / 42 / 34 / 28 / 22 / 19 / 15 / 12 / 10	Instrumentation, transceivers
Standard Antenna	0.6 - 67 GHz	Horn / Vivaldi / coupler / dipole	OTA, EIRP, source / receive
RF Tools	Preset torque	Break-over / click type; 5,000-cycle min.	Repeatable connector tightening
TEST & AUTOMATION			
RF Switch / Matrix / SSD	Up to 52 GHz	SPDT / DPDT / SP3T-SP12T; RS232/GPIB/USB/Ethernet	ATE, routing, signal monitoring
Up / Down Converter - Test	6-20 / 20-30 / 30-48 / 60-90 GHz	Wi-Fi 6E/7, UWB, Ku, Ka, mmWave	Extend sub-6 GHz test equipment
Shielding Box - OTA	0.6 - 12 GHz; >70 dB isolation	Cupid / Apollo / Zeus / Titan	AP, phone, tablet, notebook OTA
Conductive Box / Fixture	>80 dB @0.4-2.6; >70 dB @2.6-6 GHz	Thor / Hulk / Iron Man; custom fixtures	Production Wi-Fi / LTE / Bluetooth
SATELLITE RF			
LEO User-Terminal Antenna	Tx 14-14.5; Rx 10.7-12.7 GHz	32 x 32 array; Tx / Rx / hybrid	LEO user terminal, beam steering
UHF Radio for CubeSat	370 - 470 MHz; 1-5 W	2.4-19.2 kbps; 1-26 channels	CubeSat TT&C
K / Ka Radio for CubeSat	Tx 18.5-19.5; Rx 28.0-29.5 GHz	SDR + UDC + PA + LNA; BW up to 200 MHz	Bidirectional CubeSat links
Up / Down Converter - UT	Up 14-14.5; Down 10.7-12.7 GHz	Dual full-duplex channels; LO adjustment	Satellite user terminal

FROM COMPONENTS TO COMPLETE TEST PATHS

Rapidtek covers precision interconnects, routing, frequency conversion, shielding / fixtures and satellite RF modules in one portfolio.

DC - 110 GHz