

ERZIA

Microwave and
Millimeter Wave Modules

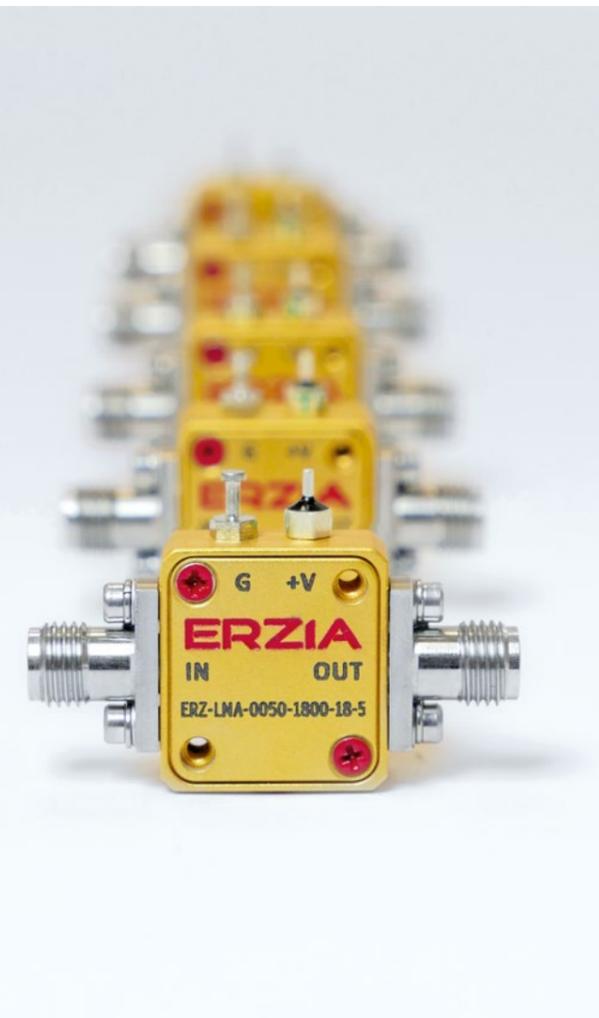
PRODUCT GUIDE 2026



Precise Engineering for Reliable Performance



FROM IDEA TO REALITY, PERFECTED IN-HOUSE



ENGINEERING

From initial concept to detailed design, our expert engineers develop cutting-edge RF & Microwave solutions tailored to each customer's needs. Innovation, precision, and reliability drive every step of the process.

MANUFACTURING

With state-of-the-art in-house production, we transform designs into high-performance hardware. Specializing in bonding, die attachment, and the integration of hybrid circuits, our meticulous attention to detail ensures every component meets the highest industry standards.

TESTING

We fully characterize and verify every unit we produce using state-of-the-art instrumentation. Our capabilities include not only advanced RF test equipment but also environmental testing facilities, ensuring our products meet the most demanding standards.

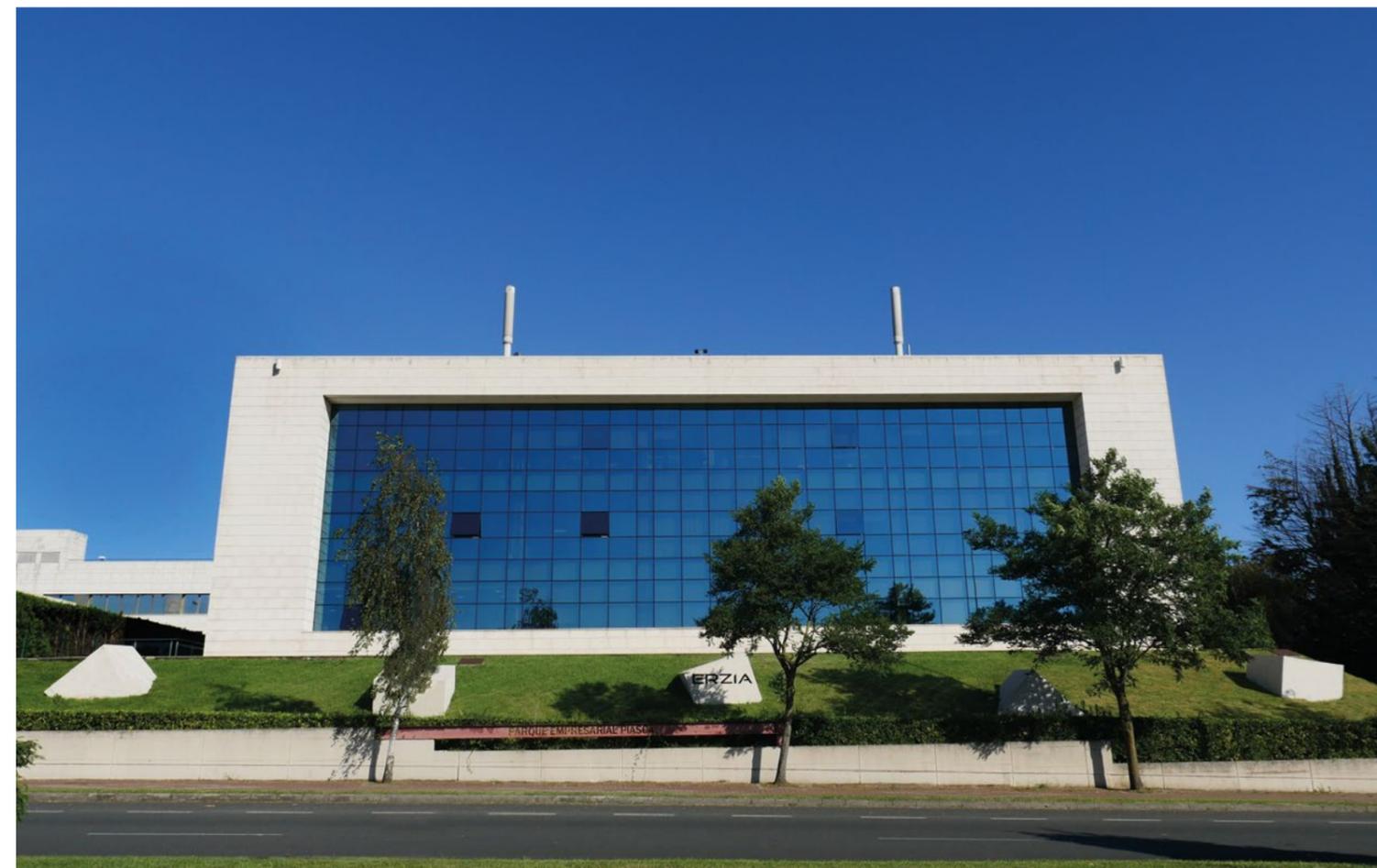
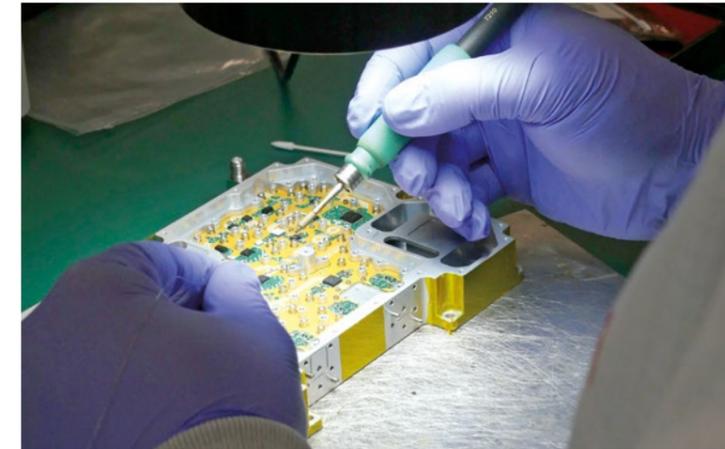
COMMITMENT TO EXCELLENCE

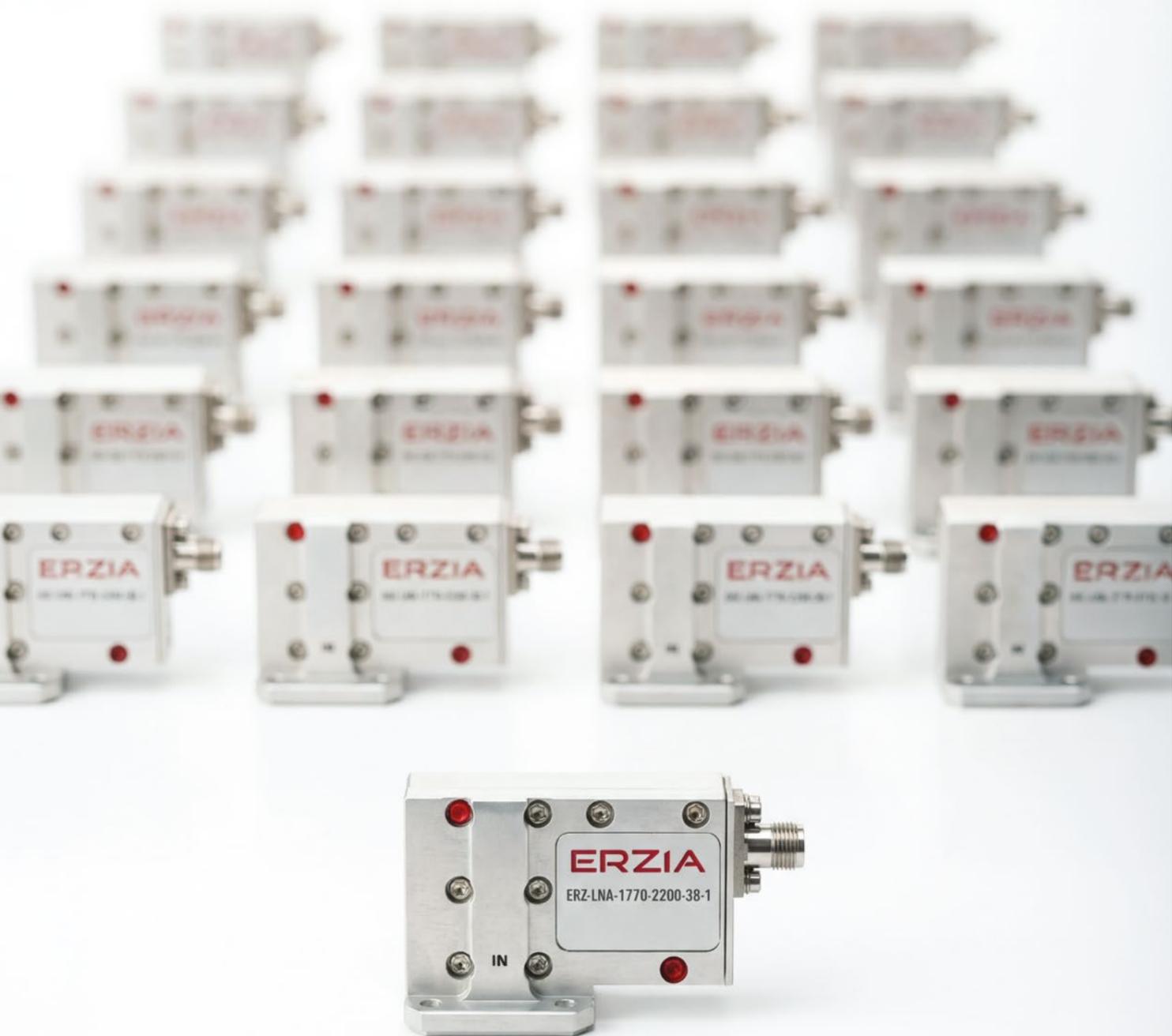
ASSURANCE

We uphold the highest quality standards, adhering to ECSS standards, EN9100, and UNE-EN ISO 9001:2025 certifications for the design and manufacturing of RF and microwave modules. Our Quality Control team is also key to maintaining customer trust and satisfaction.

LEGACY

For more than two decades, ERZIA's products have been trusted in Satcom, Electronic Warfare, Space, Radar, Telecommunications, and Commercial applications. Industry leaders such as NASA, ESA, Indra, Thales, Airbus, among others rely on ERZIA for their RF needs.





LOW NOISE AMPLIFIERS (LNAs)

Wideband

Part Number	Fmin (GHz)	Fmax(GHz)	Gain (dB)	NF (dB)	Pout (dBm)
ERZ-LNA-0010-0600-18-5.5	0.1	6	20	5.5	27
ERZ-LNA-0002-0600-30-2	0.02	6	30	2	20
ERZ-LNA-0002-0600-27-5.5	0.02	6	27	5.5	25
ERZ-LNA-0200-0600-12-2	2	6	12	2	14
ERZ-LNA-0010-0800-34-2.5	0.1	8	34	2.5	15
ERZ-LNA-0005-1000-30-5.5	0.05	10	31	5	31
ERZ-LNA-0050-1800-18-3.5	0.5	18	18	3	19
ERZ-LNA-0050-1800-14-4	0.5	18	14	4	15
ERZ-LNA-0050-1800-18-4	0.5	18	18	4	20
ERZ-LNA-0050-1800-14-3.5	0.5	18	14	3.5	20
ERZ-LNA-0050-1800-23-8	0.5	18	24	5	17
ERZ-LNA-0050-1800-15-3	0.5	18	15	3.5	15
ERZ-LNA-0100-1800-28-4	1	18	27	3	19
ERZ-LNA-0100-1800-30-2.5	1	18	33	2.5	22
ERZ-LNA-0200-1800-24-1.5	2	18	24	1.5	13
ERZ-LNA-0200-1800-30-2	2	18	30	2	18
ERZ-LNA-0200-1800-23-2.5	2	18	23	2.5	15
ERZ-LNA-0200-1800-18-4	2	18	20	3	22
ERZ-LNA-0200-1800-17-4	2	18	17	4	23
ERZ-LNA-0200-1800-18-5.5	2	18	15	3	19
ERZ-LNA-0550-1800-40-4	5.5	18	45	4	9
ERZ-LNA-0950-1800-30-3.5	9.5	18	30	3.5	13
ERZ-LNA-0865-2265-30-3	8.65	22.65	30	3	14
ERZ-LNA-0010-2400-14-4	0.1	24	14	4	12
ERZ-LNA-0010-2400-30-4	0.1	24	30	4	12
ERZ-LNA-0200-2400-15-3	2	24	15	3	16
ERZ-LNA-0200-2400-30-3	2	24	30	3	16
ERZ-LNA-0000-2500-14-2.5	0	25	14	2.5	13
ERZ-LNA-0100-2700-45-4	1	27	45	4	17
ERZ-LNA-1000-2700-30-4	10	27.5	30	4	22
ERZ-LNA-1250-3000-25-2.5	12.5	30	25	2.5	14
ERZ-LNA-1800-3200-21-3	18	32	21	3	11
ERZ-LNA-0200-3300-30-4	2	33	30	4	16
ERZ-LNA-0100-3800-12-4	1	38	12	4	10
ERZ-LNA-0100-4000-45-5	1	40	45	5	18
ERZ-LNA-0100-4000-30-5	1	40	30	5	16
ERZ-LNA-1600-4000-28-6	16	40	28	6	22
ERZ-LNA-1800-4000-23-12	18	40	24	5	14
ERZ-LNA-1800-4000-13-2.5	18	40	13	2.5	12
ERZ-LNA-1800-4000-25-2.5	18	40	25	2.5	12
ERZ-LNA-1800-4000-15-4	18	40	15	4	18
ERZ-LNA-1800-4000-45-8	18	40	37	5	18
ERZ-LNA-1800-4200-24-6	18	42	24	6	9
ERZ-LNA-2400-4400-23-2.5	24	44	23	2.5	4
ERZ-LNA-0200-4500-15-4	2	45	15	4	10
ERZ-LNA-0200-5000-22-6	2	50	22	5	10
ERZ-LNA-0050-5000-15-3	0.5	50	16	4	11

L-band

Part Number	Fmin (GHz)	Fmax(GHz)	Gain (dB)	NF (dB)	Pout (dBm)
ERZ-LNA-0007-0110-28-2	0.07	1.1	28	2	17
ERZ-LNA-0125-0175-27-2	1.25	1.75	27	2	15
ERZ-LNA-0100-0200-10-7	1	2	10	5.5	18
ERZ-LNA-0100-0200-20-1.5	1	2	20	1.5	20
ERZ-LNA-0070-0300-20-0.7	0.7	3	22	0.7	20
ERZ-LNA-0100-0310-30-2	1	3.1	30	1.6	19

S-band

Part Number	Fmin (GHz)	Fmax(GHz)	Gain (dB)	NF (dB)	Pout (dBm)
ERZ-LNA-0230-0260-40-2	2.3	2.6	40	2.5	19
ERZ-LNA-0270-0310-30-0.5	2.7	3.1	30	0.5	15
ERZ-LNA-0310-0350-30-0.5	3.1	3.5	36	0.5	15

C-band

Part Number	Fmin (GHz)	Fmax(GHz)	Gain (dB)	NF (dB)	Pout (dBm)
ERZ-LNA-0340-0470-23-2	3.4	4.7	23	2	12
ERZ-LNA-0340-0470-13-2	3.4	4.7	13	2	19
ERZ-LNA-0570-0590-50-2	5.7	5.9	50	2	15
ERZ-LNA-0714-0723-40-1	7.14	7.23	40	1	10
ERZ-LNA-0690-0800-30-2.5	6.9	8	30	2.5	20
ERZ-LNA-0400-0800-28-1	4	8	28	1	4
ERZ-LNA-0300-0930-30-2	3	9.3	30	2	19

X-band

Part Number	Fmin (GHz)	Fmax(GHz)	Gain (dB)	NF (dB)	Pout (dBm)
ERZ-LNA-0850-0960-30-2.5	8.5	9.6	30	2.5	20
ERZ-LNA-0840-1020-25-1.5	8.4	10.2	25	1.5	11
ERZ-LNA-1000-1100-30-2.5	10	11	30	2.5	20
ERZ-LNA-0600-1200-35-3	6	12	35	2	20
ERZ-LNA-0600-1200-33-3.5	6	12	33	3.5	20
ERZ-LNA-0600-1200-31-2.5	6	12	31	2.5	21
ERZ-LNA-0600-1200-28-1.5	6	12	28	1.5	28
ERZ-LNA-0600-1200-25-1 NEW	6	12	25	0.9	14
ERZ-LNA-0800-1200-10-6	8	12	10	6	11
ERZ-LNA-0800-1220-26-2	8	12.2	26	2	21
ERZ-LNA-0700-1300-21-1	7	13	21	1	10
ERZ-LNA-0700-1300-45-1	7	13	45	1	10
ERZ-LNA-0700-1300-51-1 NEW	7	13	51	1	14
ERZ-LNA-0700-1400-16-2	7	14	16	2	10

Ku-band

Part Number	Fmin (GHz)	Fmax(GHz)	Gain (dB)	NF (dB)	Pout (dBm)
ERZ-LNA-1000-1600-15-2.5	10	16	15	2.5	10
ERZ-LNA-1250-1700-33-3	12.5	17	33	3	14
ERZ-LNA-1200-1800-50-2	12	18	50	2	19
ERZ-LNA-1300-2000-45-1.5 NEW	13	20	45	0.9	15

K-band

Part Number	Fmin (GHz)	Fmax(GHz)	Gain (dB)	NF (dB)	Pout (dBm)
ERZ-LNA-1700-2400-25-2.5	17	24	25	2.5	14
ERZ-LNA-2100-2700-25-2	21	27	25	2	14
ERZ-LNA-2550-2700-45-1.8	25.5	27	45	2	12

Ka-band

Part Number	Fmin (GHz)	Fmax(GHz)	Gain (dB)	NF (dB)	Pout (dBm)
ERZ-LNA-1770-2020-35-1	17.7	20.2	35	1	10
ERZ-LNA-1770-2200-70-2-W	17.7	22	70	2	10
ERZ-LNA-1770-2200-70-2	17.7	22	70	2	10
ERZ-LNA-1770-2200-40-1.2	17.7	22	39	1.2	10
ERZ-LNA-1770-2200-40-1.5-A	17.7	22	39	1.3	10
ERZ-LNA-1770-2200-40-1.5	17.7	22	39	1.3	10
ERZ-LNA-1770-2200-38-1 NEW	17.7	22	35	1	17
ERZ-LNA-1700-2600-35-1.5 NEW	17	26	35	1.5	9
ERZ-LNA-2600-4000-30-2.5-W NEW	26	40	30	2.5	11
ERZ-LNA-2600-4000-50-2.5	26	40	50	2.5	14
ERZ-LNA-2600-4000-30-2.5	26	40	30	2.5	11
ERZ-LNA-3000-4000-20-2.5	30	40	20	2.5	10
ERZ-LNA-2500-4300-33-2	25	43	33	2	0

Q-band

Part Number	Fmin (GHz)	Fmax(GHz)	Gain (dB)	NF (dB)	Pout (dBm)
ERZ-LNA-4250-4550-30-4.5	42.5	45.5	30	4.5	19

V-band

Part Number	Fmin (GHz)	Fmax(GHz)	Gain (dB)	NF (dB)	Pout (dBm)
ERZ-LNA-4720-5140-15-3.5	47.2	50	15	3.5	1.5
ERZ-LNA-4720-5140-15-4	47.2	50	11	3.5	12

W-band

Part Number	Fmin (GHz)	Fmax(GHz)	Gain (dB)	NF (dB)	Pout (dBm)
ERZ-LNA-9300-9500-20-4	93	95	20	4	1
ERZ-LNA-7500-11000-20-4	75	110	20	4	1



HIGH POWER AMPLIFIERS (HPAs)

Wideband

Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)	
ERZ-HPA-0003-0050-28	0.03	0.5	28	34	
ERZ-HPA-0002-0300-42	0.02	2.5	43	50	
ERZ-HPA-0010-0400-25-E	0.1	4	25	30	
ERZ-HPA-0010-0400-25	0.1	4	25	20	
ERZ-HPA-0002-0600-42	0.02	6	42	42	
ERZ-HPA-0030-0600-46	0,3	6	46	42	
ERZ-HPA-0050-0600-48	0,5	6	48	42	
ERZ-HPA-0050-0600-50	0,5	6	50	42	
ERZ-HPA-0200-0600-46	NEW	2	6	46	60
ERZ-HPA-0175-0625-43	1.75	6.25	43	43	
ERZ-HPA-0100-0800-40	NEW	1	8	40	60
ERZ-HPA-0200-0800-36	2	8	36	43	
ERZ-HPA-0000-1200-26	0	16	27	32	
ERZ-HPA-0050-1800-30	0.5	18	30	33	
ERZ-HPA-0100-1800-21	1	18	21	14	
ERZ-HPA-0100-1800-37	1	18	37	35	
ERZ-HPA-0200-1800-30-E	2	18	30	40	
ERZ-HPA-0200-1800-30	2	18	30	33	
ERZ-HPA-0200-1800-30-DB9	2	18	30	33	
ERZ-HPA-0600-1800-40-E	6	18	40	46	
ERZ-HPA-0600-1800-24	6	18	24	20	
ERZ-HPA-0100-2000-41	NEW	1	20	41	40
ERZ-HPA-0200-2000-43	2	20	43	40	
ERZ-HPA-0200-2000-44	2	20	43	40	
ERZ-HPA-0200-2000-37	2	20	37	36	
ERZ-HPA-0010-2300-27	0.1	23	27	28	
ERZ-HPA-1700-3100-23	NEW	17	31	23	20
ERZ-HPA-1600-3300-24-E	16	33	24	34	
ERZ-HPA-2300-3700-25	23	37	24	20	
ERZ-HPA-0050-4000-8	0.5	40	16	15	
ERZ-HPA-0050-4000-12	0.5	40	16	28	
ERZ-HPA-0020-4000-20	0.2	40	20	28	
ERZ-HPA-2000-4000-24	20	40	24	20	
ERZ-HPA-2000-4000-39	20	40	39	40	
ERZ-HPA-2400-4000-22	24	40	22	30	
ERZ-HPA-2200-4300-32	22	43	32	35	
ERZ-HPA-2000-4500-24	20	45	24	20	
ERZ-HPA-2400-5000-28	24	50	27	25	

L-band

Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-0050-0200-25	0.5	2	28	27

S-band

Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-0280-0330-40	2.8	3.3	40	38
ERZ-HPA-0200-0400-43	2	4	43	40
ERZ-HPA-0200-0400-30	2	4	30	35
ERZ-HPA-0200-0400-24	2	4	24	23
ERZ-HPA-0250-0400-35	2.5	4	35	36



C-band

Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-0490-0525-43	4.9	5.25	43	45
ERZ-HPA-0500-0600-25	5	6	28	24
ERZ-HPA-0550-0960-34	5.5	9.6	34	35

X-band

Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-0790-0840-46	7.9	8.4	46	44
ERZ-HPA-0790-0850-37	7.9	8.5	37	40
ERZ-HPA-0790-0850-40	7.9	8.5	40	50
ERZ-HPA-0850-0980-55	8.5	9.8	55	38
ERZ-HPA-0900-1000-56	9	10	56	70
ERZ-HPA-0600-1000-31	6	10	31	23
ERZ-HPA-0850-1050-49	8.5	10.5	49	43
ERZ-HPA-0800-1100-43	8	11	43	35
ERZ-HPA-0900-1400-34	9	14	34	35

Ku-band

Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-1250-1550-34	12.5	15.5	34	27
ERZ-HPA-1300-1600-37	13	16	37	24
ERZ-HPA-1200-1600-26	12	16	26	23
ERZ-HPA-1200-1800-27	12	19	27	14
ERZ-HPA-1200-1800-27-E	12	18	27	50

K-band

Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-1730-2120-44	17.3	21.2	44	45
ERZ-HPA-1700-2400-34	17	24	34	22
ERZ-HPA-2400-2450-32	24	24.5	33	35
ERZ-HPA-2400-2650-32	24	26.5	32	35
ERZ-HPA-1500-2700-29-E	15	27	29	34
ERZ-HPA-1500-2700-29	15	27	29	17
ERZ-HPA-2550-2700-35	25.5	27	35	41

Ka-band

Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-2600-2800-22	26	28	22	19
ERZ-HPA-2700-3100-43	27	31	43	51
ERZ-HPA-2700-3100-43-C	27	31	43	51
ERZ-HPA-2700-3100-46 NEW	27	31	46	50
ERZ-HPA-2900-3100-37-E	29	31	37	38
ERZ-HPA-2900-3100-37	29	31	37	21
ERZ-HPA-2900-3100-46	29	31	46	45
ERZ-HPA-3000-3100-46	30	31	46	44
ERZ-HPA-2800-3300-33	28	33	33	16
ERZ-HPA-2400-3600-27	24	36	27	35
ERZ-HPA-3400-3600-35	34	36	35	35
ERZ-HPA-3400-3600-33	34	36	33	39
ERZ-HPA-3400-3600-43	34	36	43	45
ERZ-HPA-3100-3700-33-W	31	37	33	18
ERZ-HPA-3100-3700-33	31	37	33	18
ERZ-HPA-3300-3700-40-W	33	37	38	22
ERZ-HPA-3300-3700-38	33	37	38	22
ERZ-HPA-3200-3800-40-E	32	38	40	49
ERZ-HPA-3200-3800-35	32	38	35	33
ERZ-HPA-3200-3800-25	32	38	25	32
ERZ-HPA-3000-4000-32-E-W	30	40	32	39

Ka-band (continued)

Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-3000-4000-32-E	30	40	32	39
ERZ-HPA-3000-4000-32	30	40	32	18
ERZ-HPA-2600-4000-33-A	26	40	33	35
ERZ-HPA-2600-4000-33	26	40	33	35
ERZ-HPA-2650-4000-33	26.5	40	33	36
ERZ-HPA-2700-4200-27	27	42	27	30

Q-band

Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-3750-4250-39	37.5	42.5	39	40
ERZ-HPA-3300-4500-23	33	45	23	15
ERZ-HPA-4000-4500-28-E	40	45	28	23
ERZ-HPA-3300-4700-29	33	47	29	30
ERZ-HPA-3300-4700-24-E	33	47	26	25
ERZ-HPA-3300-4700-24	33	47	24	17

V-band

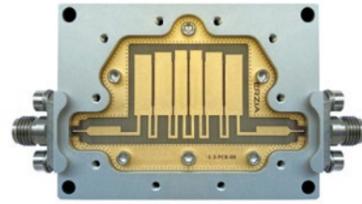
Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-5000-6600-19	50	66	16	20

W-band

Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-7500-8300-27	75	83	27	17
ERZ-HPA-7500-8300-25	75	83	25	17
ERZ-MPA-7500-8300-13	75	83	13	18



SUSPENDED SUBSTRATE RF/MICROWAVE FILTERS



Part Number	Type	Technology	Fmin (GHz)	Fmax(GHz)	IL (dB)	RL (dB)
ERZ-BPF-0121-0140-1	BPF	SS	1.21	1.4	1	15
ERZ-BPF-0190-0210-1.8	BPF	SS	1.9	2.1	1.4	18
ERZ-LPF-0000-0250-1.3	LPF	SS	0	2.5	0.4	15
ERZ-BPF-0205-0255-2.2	BPF	SS	2.05	2.55	1.7	15
ERZ-BPF-0170-0260-1.5	BPF	SS	1.7	2.6	1.5	14
ERZ-LPF-0000-0380-1.3	LPF	SS	0	3.8	0.3	20
ERZ-BPF-0350-0380-2.4	BPF	SS	3.5	3.8	2.2	18
ERZ-BPF-0210-0380-1.9	BPF	SS	2.1	3.8	1	15
ERZ-LPF-0000-0380-1.3	LPF	SS	0	3.8	0.3	20
ERZ-HPF-0210-0480-1.3	HPF	SS	2.1	4.8	0.5	15
ERZ-BPF-0530-0610-2.5	BPF	SS	5.3	6.1	2	15
ERZ-BPF-0350-0610-2.1	BPF	SS	3.5	6.1	1.2	18
ERZ-LPF-0000-0610-1.6	LPF	SS	0	6.1	0.3	20
ERZ-HPF-0350-0690-1.7	HPF	SS	3.5	6.9	0.7	15
ERZ-BPF-0920-1000-2.9	BPF	SS	9.2	10	2.5	13
ERZ-BPF-0110-1000-2	BPF	LC+SS	1.1	10	1	13
ERZ-BPF-0540-1000-3.1	BPF	SS	5.4	10	1.6	10
ERZ-LPF-0000-1000-1.5	LPF	SS	0	10	0.4	13
ERZ-BPF-0900-1100-3	BPF	Alumina	9	11	2	15
ERZ-HPF-0540-1210-1.4	HPF	SS	5.4	12.1	0.8	15
ERZ-BPF-0110-1750-2.4	BPF	LC+SS	1.1	17.5	1.2	13
ERZ-LPF-0000-1800-2.4	LPF	SS	0	18	0.7	13
ERZ-HPF-0280-1800-1.5	HPF	LC	2.8	18	1	15
ERZ-BPF-0920-1800-3.7	BPF	SS	9.2	18	2	10
ERZ-HPF-0930-1870-1.7	HPF	SS	9.3	18.7	1	15
ERZ-HPF-0110-1900-1.1	HPF	LC	1.1	19	0.5	20
ERZ-HPF-1750-4100-2	HPF	SS	1.75	41	1.3	13



SWITCHES



Part Number	Type	Fmin (GHz)	Fmax(GHz)	Insertion Loss (dB)	Isolation (dB)	Switching Time (ns)
ERZ-SW2-0030-0300-2	SPDT	0.3	3	1.5	65	450
ERZ-SW2-0010-0300-0.5	SPDT	0.1	5	0.7	25	40
ERZ-SW2-0200-1000-2.5	SPDT	2	10	1.5	80	25
ERZ-SW1-0200-1000-2.5	SPST	2	10	1.5	80	40
ERZ-SW5-0010-1800-3.5	SP5T	0.1	18	3.5	45	75
ERZ-SW1-0001-2000-1.5	SPST	0.01	20	1.5	45	40
ERZ-SW2-0010-2000-3	SPDT	0.1	20	3	60	40
ERZ-SW2-0100-2600-3	SP2T	1	26	3	38	40
ERZ-SW3-2500-2700-3	SP3T	25	27	3	30	40
ERZ-SW2-0001-2800-2.5	SPDT	0.01	28	2.5	40	40
ERZ-SW4-0010-3000-5	SP4T	0.1	30	3.5	50	50
ERZ-SW3-0001-3800-2	SP3T	0.01	38	2	35	50
ERZ-SW2-0000-4000-3.5	SPDT	0	40	3.5	40	40
ERZ-SW3-0100-4200-4	SP3T	1	42	4	40	50



EQUALIZERS

Part Number	Fmin (GHz)	Fmax(GHz)	I.L. @min freq (dB)	I.L. @max freq (dB)
ERZ-EQU-1800-4000-25	18	40	-23	-3
ERZ-EQU-1800-4000-30	18	40	-25	-3.5
ERZ-EQU-0000-2000-10	0	20	-10	-2
ERZ-EQU-0000-2000-20	0	20	-20	-2.5

MIXERS



Part Number	RF/LO Fmin (GHz)	RF/LO Fmax (GHz)	IFmin (GHz)	IFmax (GHz)	LO Power (dBm)	Conversion Loss (dB)
ERZ-MIX-0200-1200-10	2	12	0	3	15	10
ERZ-MIX-0500-1400-8	5	14	0.04	0.08	20	9
ERZ-MIX-0500-1500-8.5	5	15	0	2.5	14	8
ERZ-MIX-0200-2200-10	2	20	0	3.5	10	10
ERZ-MIX-0300-3000-10	3	30	0	5	23	7
ERZ-MIX-1000-4400-10	10	44	0	14	16	10
ERZ-MIX-1800-5000-10	18	50	0	20	16	10

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ERZIA

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