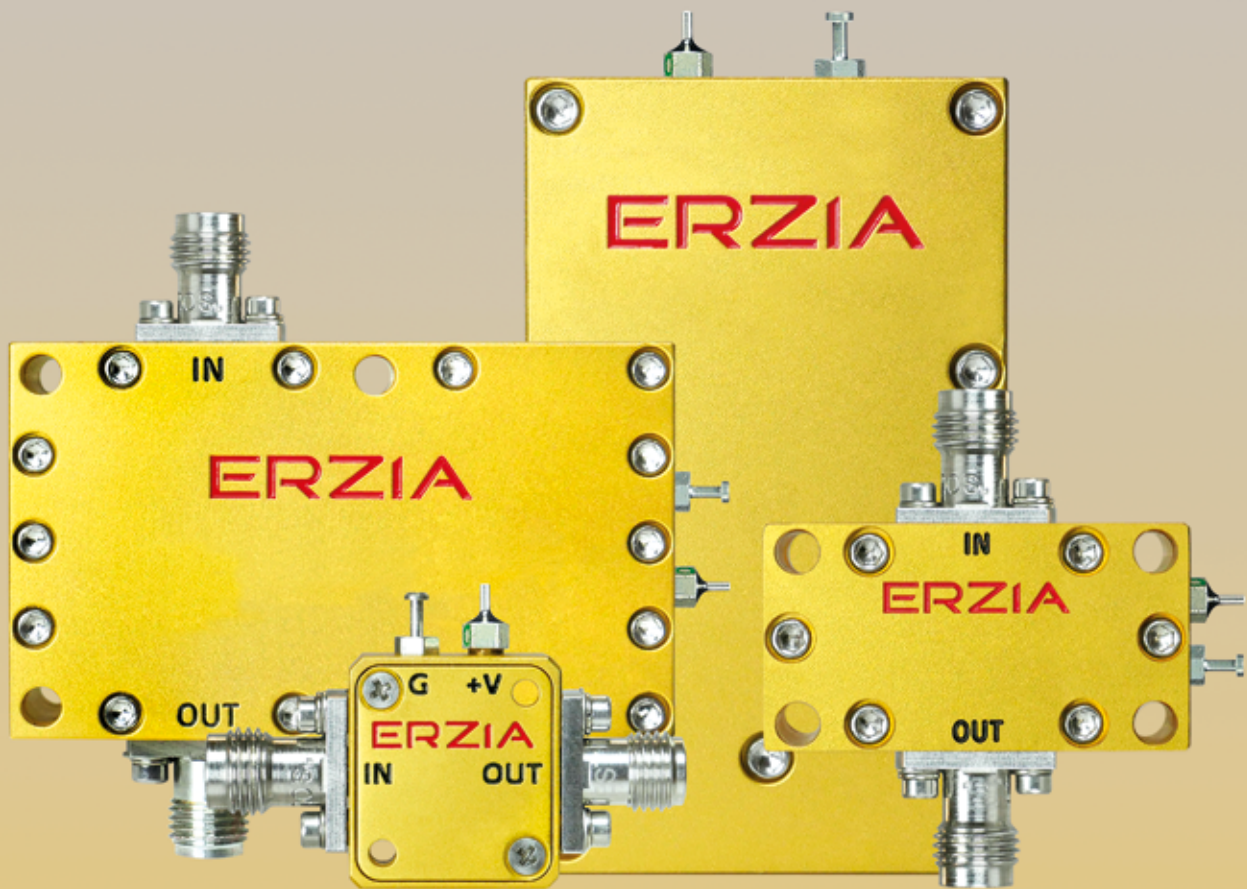


ERZIA

PRODUCT GUIDE 2025



Microwave and Millimeter Wave
Modules and Subsystems

ERZIA.COM
WE TAKE YOU FURTHER

ERZIA



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 specialize in bonding, die attachment, and the integration of hybrid circuits. Our production lines are equipped to handle complex and demanding designs, enabling the efficient production of complete RF products with exceptional precision and quality.

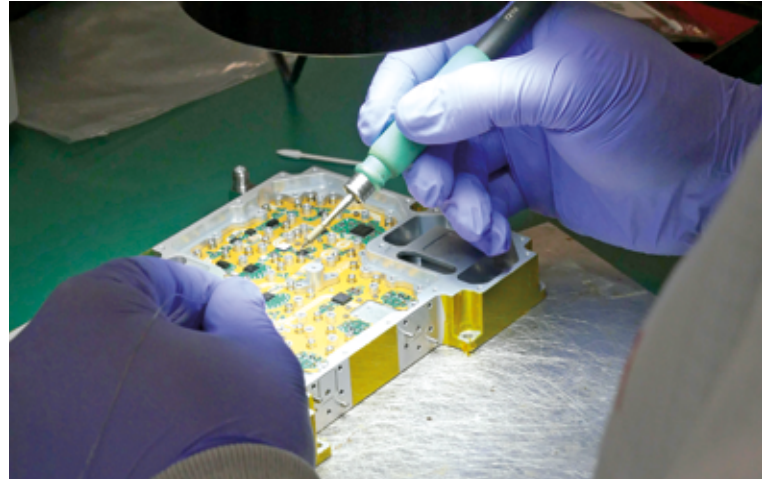
COMMITMENT TO EXCELLENCE

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.





ERZIA

IN

OUT

ERZ-LNA-0800-1220-26-2

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

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-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-0700-1400-16-2	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

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	NEW	17.7	22	39	1.2	10
ERZ-LNA-1770-2200-40-1.5-A	NEW	17.7	22	39	1.3	10
ERZ-LNA-1770-2200-40-1.5	17.7	22	39	1.3	10	
ERZ-LNA-2600-4000-30-2.5-W	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





DC CTRL

ERZIA

ERZ-HPA-0600-1800-40-E

IN

OUT

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	NEW	0,3	6	46	42
ERZ-HPA-0050-0600-48	NEW	0,5	6	48	42
ERZ-HPA-0050-0600-50	NEW	0,5	6	50	42
ERZ-HPA-0175-0625-43	1.75	6.25	43	43	
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-0200-2000-43	NEW	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-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	NEW	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-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	40	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
ERZ-HPA-3000-4000-32-E	30	40	32	39
ERZ-HPA-3000-4000-32	30	40	32	18

Ka-band (continued)

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

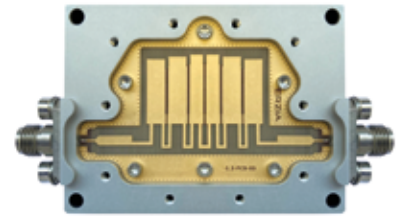
Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-5000-6600-19	50	66	16	20

W-band

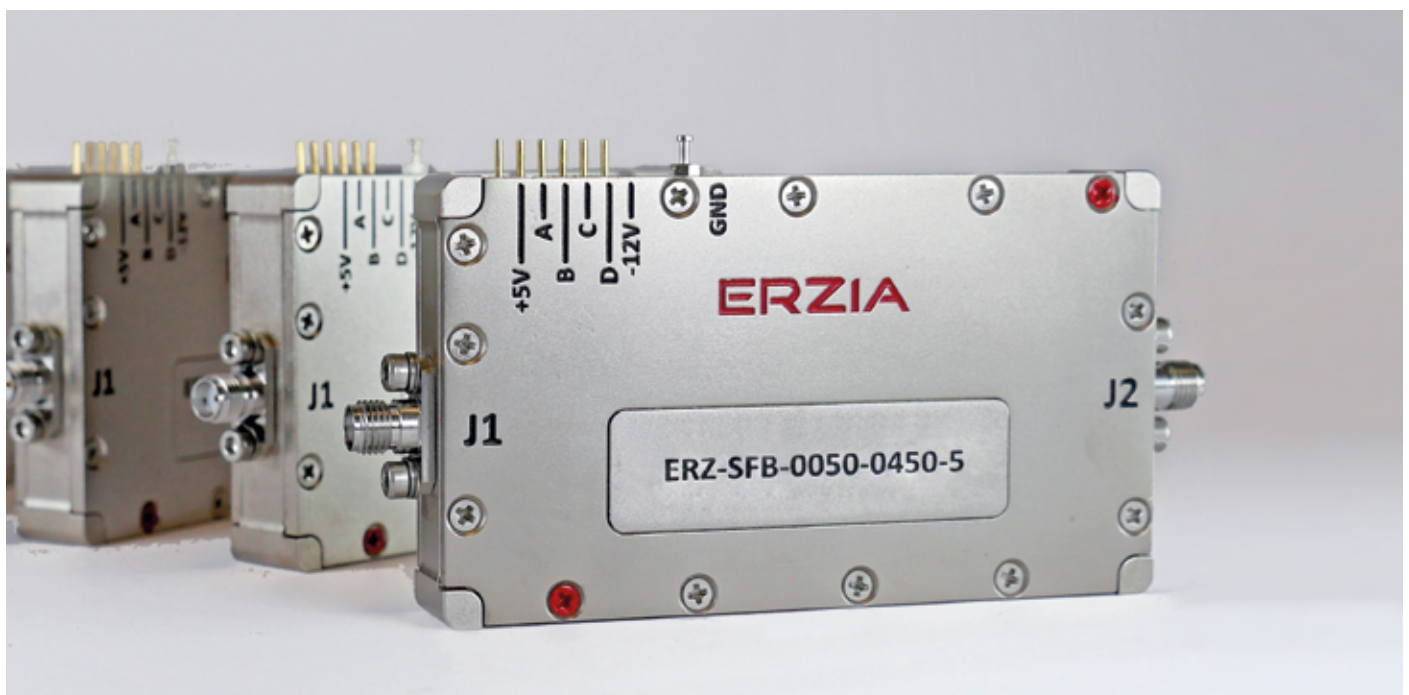
Part Number	Fmin (GHz)	Fmax(GHz)	Pout (dBm)	Gain (dB)
ERZ-HPA-7500-8300-27	75	83	27	17
ERZ-HPA-7500-8300-25	75	83	25	17
ERZ-MPA-7500-8300-13	75	83	13	18

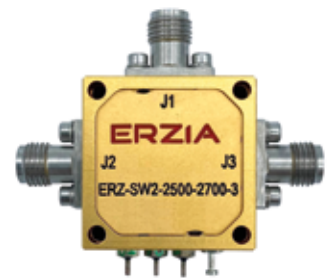


SUSPENDED SUBSTRATE RF/MICROWAVE FILTERS



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

INTEGRATED ASSEMBLIES

Efficient, Dependable, and Customized Solutions



When precision, reliability, and customization are critical, ERZIA delivers **high-performance integrated assemblies** that exceed expectations. Designed for the most demanding applications—including **Electronic Warfare (EW), Signal Intelligence (SIGINT), Radar, and Scientific Instrumentation**—our RF and Microwave subsystems are built to meet strict size, weight, and performance requirements without compromise.

ERZIA collaborates with engineering teams worldwide to **design, prototype, qualify, and manufacture complex RF solutions**. By leveraging proven topologies and advanced automation in manufacturing and testing, we ensure repeatable, high-quality production, fully certified to **AS9100 and ISO 9001 standards**.

Our integrated assemblies are deployed in **air, ground, and naval platforms** across the globe. Whether optimizing an existing system or developing a new one, ERZIA is your trusted partner in maximizing RF performance.

ERZIA

UP DOWN CONVERTERS

Best in class converters, narrow to wideband solutions across the whole RF spectrum



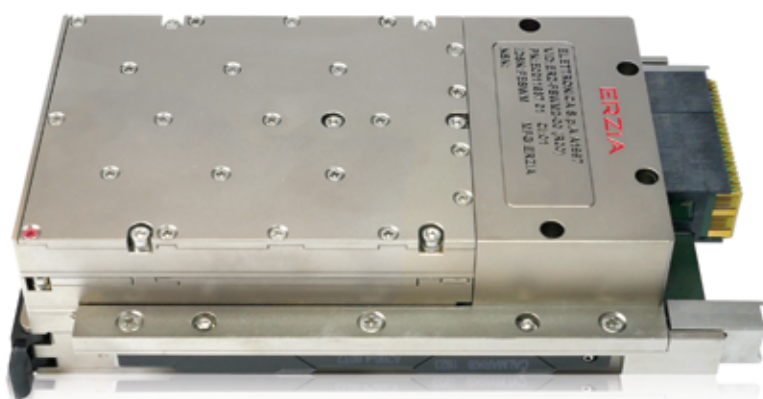
SWITCHED FILTERED BANKS

Latest technologies to achieve the highest rejections and lowest insertion loss



SWITCHING MATRICES

Wideband and ultra-fast operation through multiple channels



BEAMFORMERS

Offering precision phase control of your entire operating bandwidth



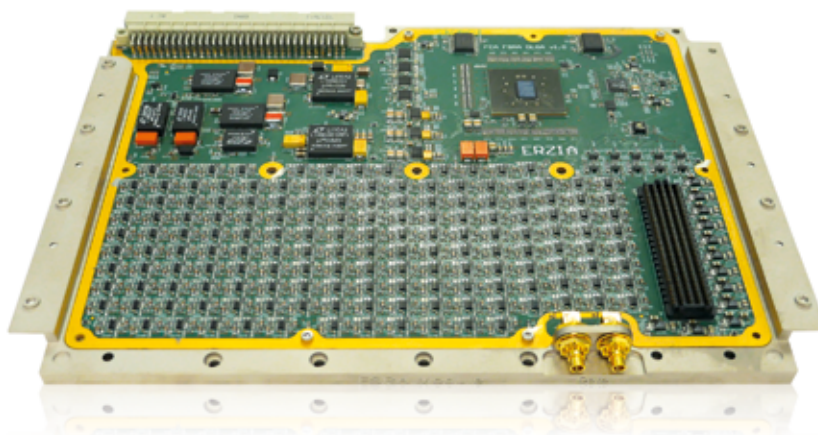
RF FRONT ENDS

Compact and rugged modules to handle any signal under demand



CUSTOM UNITS

Bring us your RF needs, we will create a bespoke solution



THE LEGACY

Setting the Standard for RF Excellence
for 22+ years



SPACE & NEW SPACE



ERZIA has been a trusted partner in **traditional space and NewSpace programs**, delivering **high-performance, space-qualified RF and Microwave solutions** for mission-critical aerospace applications. Our amplifiers, custom electronic modules, and integrated assemblies are designed, qualified, and manufactured to withstand **extreme space environments**, ensuring reliability for **ESA, NASA, JAXA**, and other leading organizations.

With state-of-the-art manufacturing facilities, including a **Class 10,000 clean room**, we adhere to **UNE-EN 9100 and UNE-EN 9001** quality certifications, guaranteeing strict product assurance and manufacturing excellence. Our expertise extends from deep-space missions to **CubeSats, NanoSats, MicroSats, and reusable launchers**, offering both **fully space-qualified solutions** and **ruggedized COTS amplifiers** optimized for harsh conditions.

ELECTRONIC WARFARE

ERZIA's advanced RF and Microwave solutions empower **government, military defense, aerospace, and satellite communications** to dominate the electromagnetic spectrum.

From **electronic attack (EA) and protection (EP) to SIGINT, ELINT, and advanced signal processing, ERZIA's Wideband High Power Amplifiers (HPAs), Low Noise Amplifiers (LNAs), beamformers, filter banks, and wideband converters** provide the speed, precision, and bandwidth required for near-instantaneous signal detection, jamming, and countermeasures.

ERZIA specialising in **turnkey solutions**, integrating cutting-edge RF and Microwave technology to enhance **electromagnetic surveillance, targeting, and tactical operations. Trusted by leading defense organizations worldwide**, our solutions are built to meet the highest standards of **quality, reliability, and mission success**.



ERZIA

WE TAKE YOU FURTHER



ERZIA Technologies
Josefina de la Maza 4
39012 Santander, Spain
Sales Inquiries: sales@erzia.com
Telephone: +34 942 29 13 42



ERZIA Technologies of America
1800 Diagonal Road, Suite 600
Alexandria, VA 22314
Sales Inquiries: sales@erzia.com
Telephone: +1 703 373 1946

Visit our website



ERZIA.COM
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