

RACK MOUNT SOLID STATE POWER AMPLIFIER

Telogica Ltd's exceptional growth record and our extensive capabilities. Over our 28-year history, we have maintained a positive growth rate, reflecting our commitment to excellence and innovation. We have become a trusted and regular supplier to numerous DRDO and ISRO labs, delivering a wide range of customized testers and subsystems tailored to meet our customers' specific requirements.

In 2021, we entered a strategic joint venture with a US-based RF amplifier manufacturer. This partnership has significantly expanded our product portfolio, enabling us to offer state-of-the-art RF amplifiers that cover frequencies from 9 kHz to 110 GHz. Our amplifiers deliver impressive power output, ranging up to 10,000W for continuous wave (CW) and up to 80,000W for pulsed signals. This collaboration underscores our dedication to providing high-quality, cutting-edge solutions that meet the evolving needs of our clients. We are proud of our achievements and look forward to continuing our tradition of excellence and innovation.

- State-of-the-art GaN technology
- Have independent intellectual property rights, independent and controllable technology
- Ultra broadband (2GHz-18GHz, 18GHz-26.5GHz, 26.5GHz-40GHz, 18GHz-40GHz, 40-67GHz, 36-50GHz, 50-75GHz, 60-90GHz, 75-81GHz, 81-86GHz, 91-97GHz, 75-110GHz.....) .
- High continuous power output
- High linearity for wideband communications testing(ACPR exceeds -30dBc for many products).
- Good IMD3 performance
- Modular design for faster installation, disassembly, and maintenance
- Fast integrated protection circuitry (response time ~20 μs.)
- Burn-in and military-grade aging tested for at least 72 hours.

MODEL	Frequency (GHz)	Output Power Min(W)	Gain Min(dB)	Gain Adj. (dB)	2nd Harmonic Power @ Psat (dBc)	Gain Flatness
TL9K250M - 1000	9KHz-250MHz	1000	60	20	-15	±3
TL9K250M - 1500	9KHz-250MHz	1500	62	20	-15	±3
TL9K250M - 3000	9KHz-250MHz	3000	65	20	-15	±3
TL 00801 - 100	0.08 - 1	100	50	20	-10	±3
TL 00801 - 200	0.08 - 1	200	53	20	-10	±3
TL 00801 - 400	0.08 - 1	400	56	20	-10	±3
TL 00801 - 500	0.08 - 1	500	57	20	-10	±3
TL 00801 - 600	0.08 - 1	600	58	20	-10	±3
TL 00801 - 1000	0.08 - 1	1000	60	20	-10	±3
TL 00801 - 2000	0.08 - 1	2000	63	20	-10	±3
TL 00201-100	0.02 - 1	100	50	20	-10	±3
TL 00201-1000	0.02 - 1	1000	60	20	-10	±3
TL 0P503-120	0.5-3	120	51	20	-10	±3
TL 0P503-200	0.5-3	200	53	20	-10	±3
TL 0P503-300	0.5-3	300	55	20	-10	±3
TL 0P503-400	0.5-3	400	56	20	-10	±3

-----TELOGICA LIMITED-----

[Formerly known as AISHWARYA TECHNOLOGIES AND TELECOM LIMITED]

(CIN: L72200TG1995PLC020569) (GST:36AABCA6501C1ZC)

Regd. Office: Empire Square, Plot No 233-A, 234 & 235, 3rd Floor, Road No,36, Jubilee Hills, Hyderabad-500 033, Telangana, India

Manufacturing Unit: Plot No. M-09, Medical Device Park, Sultanpur, Sangareddy-502319 Telangana

Tel: +91 40 2753 1324, 25,26 FAX: +91 40 27535423 Mob: +91 7660007496

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TL 0P503-600	0.5-3	600	58	20	-10	±3
TL 0P503-1000	0.5-3	1000	60	20	-10	±3
TL 0P82P5 - 100	0.8 - 2.5	100	50	20	-10	±2
TL 0P82P5 - 200	0.8 - 2.5	200	53	20	-10	±2
TL 0P82P5 - 300	0.8 - 2.5	300	55	20	-10	±2
TL 0P82P5 - 400	0.8 - 2.5	400	56	20	-10	±2
TL 0P82P5 - 500	0.8 - 2.5	500	57	20	-10	±2
TL 0P82P5 - 1000	0.8 - 2.5	1000	60	20	-10	±2
TL 0102 - 200	1 - 2	200	53	20	-10	±2
TL 0102 - 300	1 - 2	300	55	20	-10	±2
TL 0102 - 500	1 - 2	500	57	20	-10	±2
TL 0102 - 1000	1 - 2	1000	60	20	-10	±2
TL 0102 - 1500	1 - 2	1500	62	20	-10	±2
TL 0P606 - 20	0.6 - 6	20	43	20	-10	±4
TL 0P606 - 50	0.6 - 6	50	47	20	-10	±4
TL 0P606 - 80	0.6 - 6	80	49	20	-10	±4
TL 0P606 - 120	0.6 - 6	120	51	20	-10	±4
TL 0P606 - 160	0.6 - 6	160	52	20	-10	±4
TL 0P606 - 200	0.6 - 6	200	53	20	-10	±4
TL 0P606 - 250	0.6 - 6	250	54	20	-10	±4
TL 0P606 - 300	0.6 - 6	300	55	20	-10	±4
TL 0P606 - 400	0.6 - 6	400	56	20	-10	±4
TL 0P606 - 500	0.6 - 6	500	57	20	-10	±4
TL 0P606 - 600	0.6 - 6	600	58	20	-10	±4
TL 0P606 - 800	0.6 - 6	800	59	20	-10	±4
TL 0P606 - 1200	0.6 - 6	1200	61	20	-10	±4
TL 0104 - 1000	1 - 4	1000	60	20	-10	±4
TL 0104 - 2000	1 - 4	2000	63	20	-10	±4
TL 0206 - 80	2 - 6	80	47	20	-10	±4
TL 0206 - 120	2 - 6	120	51	20	-10	±4
TL 0206 - 200	2 - 6	200	56	20	-10	±4
TL 0206 - 400	2 - 6	400	56	20	-10	±4
TL 0206 - 600	2 - 6	600	58	20	-10	±4
TL 0206 - 800	2 - 6	800	59	20	-10	±4
TL 0206 - 1600	2 - 6	1600	62	20	-10	±4
TL 0208 - 50	2 - 8	50	47	20	-10	±4
TL 0208 - 100	2 - 8	100	50	20	-10	±4
TL 0208 - 200	2 - 8	200	53	20	-10	±4
TL 0208 - 250	2 - 8	250	54	20	-10	±4
TL 0208 - 500	2 - 8	500	57	20	-10	±4
TL 0208 - 1000	2 - 8	1000	60	20	-10	±4
TL 0408 - 20	4 - 8	20	43	20	-10	±4
TL 0408 - 30	4 - 8	30	45	20	-10	±4

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TL 0408 - 60	4 - 8	60	48	20	-10	±4
TL 0408 - 120	4 - 8	120	51	20	-10	±4
TL 0408 - 250	4 - 8	250	54	20	-10	±4
TL 0408 - 300	4 - 8	300	55	20	-10	±4
TL 0408 - 500	4 - 8	500	57	20	-10	±4
TL 0408 - 900	4 - 8	900	59	20	-10	±4
TL 0050 - 1	10MHz - 50	1	27	NA	-10	±5
TL 03506-16	0.36-6	16	42	20	-10	±4
TL 0226P5-4	2-26.5	4	36	20	-10	±4
TL 0812-100	8-12	100	50	20	-10	±4
TL 0812-200	8-12	200	53	20	-10	±4
TL 0812-500	8-12	500	57	20	-10	±4
TL 0812-1000	8-12	1000	60	20	-10	±4
TL 0812-2000	8-12	2000	63	20	-10	±4
TL 0218 - 20	2 - 18	20	43	20	-10	±5
TL 0218 - 30	2 - 18	30	45	20	-10	±5
TL 0218 - 50	2 - 18	50	47	20	-10	±5
TL 0218 - 100	2 - 18	100	50	20	-10	±5
TL 0218 - 200	2 - 18	200	53	20	-10	±5
TL 0218 - 250	2 - 18	250	54	20	-10	±5
TL 0618 - 10	6 - 18	10	40	20	-10	±5
TL 0618 - 16	6 - 18	16	42	20	-10	±5
TL 0618 - 30	6 - 18	30	45	20	-10	±5
TL 0618 - 50	6 - 18	50	47	20	-10	±5
TL 0618 - 100	6 - 18	100	50	20	-10	±5
TL 0618 - 200	6 - 18	200	53	20	-10	±5
TL 0618 - 250	6 - 18	250	54	20	-10	±5
TL 0618 - 300	6 - 18	300	55	20	-10	±5
TL 0618 - 500	6 - 18	500	57	20	-10	±5
TL 0618 - 1000	6 - 18	1000	60	20	-10	±5
TL 0618 - 2000	6 - 18	2000	63	20	-10	±5
TL 1826 - 10	18 - 26.5	10	40	15	-20	±6
TL 1826 - 20	18 - 26.5	20	43	15	-20	±6
TL 1826 - 50	18 - 26.5	50	47	15	-20	±6
TL 1826 - 200	18 - 26.5	200	53	15	-20	±6
TL 1826 - 350	18 - 26.5	350	55	15	-20	±6
TL 1826 - 600	18 - 26.5	600	57	15	-20	±6
TL 1826 - 1000	18 - 26.5	1000	60	15	-20	±6
TL 2640-10	26.5-40	10	40	15	-20	±6
TL 2640-20	26.5-40	20	43	15	-20	±6
TL 2640-50	26.5-40	50	47	15	-20	±6
TL 2640-100	26.5-40	100	50	15	-20	±6
TL 2640-200	26.5-40	200	53	15	-20	±6

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TL 2640-400	26.5-40	400	56	15	-20	±6
TL 1846-5	18-46	5	37	15	-20	±8
TL 1840-10	18-40	10	40	15	-20	±8
TL 1840-20	18-40	20	43	15	-20	±8
TL 1840-40	18-40	40	46	15	-20	±8
TL 1840-70	18-40	70	48	15	-20	±8
TL 1840-100	18-40	100	50	15	-20	±8
TL 3650-3	36-50	3	35	15	-20	±8
TL 3650-5	36-50	5	37	15	-20	±8
TL 3650-10	36-50	10	40	15	-20	±8
TL 3650-20	36-50	20	43	15	-20	±8
TL 3650-30	36-50	30	45	15	-20	±8
TL 4054-5	40-54	5	37	15	-20	±8
TL 4054-10	40-54	10	40	15	-20	±8
TL 4054-20	40-54	20	43	15	-20	±8
TL 4054-40	40-54	40	46	15	-20	±8
TL 4054-80	40-54	80	49	15	-20	±8
TL 4054-120	40-54	120	50	15	-20	±8
TL 4054-200	40-54	200	53	15	-20	±8
TL 4751-40	40-51	40	46	15	-20	±8
TL 4751-60	40-51	60	48	15	-20	±8
TL 4751-100	40-51	100	50	15	-20	±8
TL 4751-200	40-51	200	53	15	-20	±8
TL 4751-400	40-51	400	56	15	-20	±8
TL 4067-1	40-67	1	30	15	-20	±8
TL 4067-2	40-67	2	33	15	-20	±8
TL 4067-5	40-67	5	37	15	-20	±8
TL 5065-5	50-65	5	37	15	-20	±8
TL 5065-10	50-65	10	40	15	-20	±8
TL 5065-20	50-65	20	43	15	-20	±8
TL 5065-40	50-65	40	46	15	-20	±8
TL 5065-80	50-65	80	49	15	-20	±8
TL 5065-120	50-65	120	50	15	-20	±8
TL 5065-200	50-65	200	53	15	-20	±8
TL 6575-4	65-75	4	36	15	-20	±10
TL 6575-8	65-75	8	39	15	-20	±10
TL 6575-12	65-75	12	40	15	-20	±10
TL 6575-20	65-75	20	43	15	-20	±10
TL 6575-35	65-75	35	45	15	-20	±10
TL 5075-2	50-75	2	33	15	-20	±8
TL 5075-3	50-75	3	35	15	-20	±8
TL 5075-4	50-75	4	36	15	-20	±8
TL 5075-5	50-75	5	37	15	-20	±8

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TL 6090-1	60-90	1	30	15	-20	±5
TL 7581-2	75-81	2	33	15	-20	±5
TL 7581-4	75-81	4	36	15	-20	±5
TL 7581-8	75-81	8	39	15	-20	±5
TL 7581-12	75-81	12	40	15	-20	±5
TL 7581-20	75-81	20	43	15	-20	±10
TL 8186-2	81-86	2	33	15	-20	±10
TL 8186-4	81-86	4	36	15	-20	±10
TL 8186-8	81-86	8	39	15	-20	±10
TL 8186-12	81-86	12	40	15	-20	±10
TL 8186-20	81-86	20	43	15	-20	±10
TL 9197-2	91-97	2	33	15	-20	±10
TL 9197-5	91-97	5	37	15	-20	±10
TL 9197-10	91-97	10	40	15	-20	±10
TL 9197-20	91-97	20	43	15	-20	±10
TL 9197-30	91-97	30	45	15	-20	±10
TL 75110 - 1	75 - 110	1	30	15	-20	±10
TL 75110 - 2	75 - 110	2	33	15	-20	±10
TL 75110 - 3	75 - 110	3	35	15	-20	±10
TL 75110 - 4	75 - 110	4	36	15	-20	±10

Customized Model is available



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