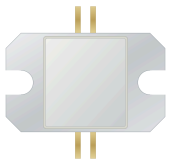
2700–3500 MHz GaN Packaged Power Amplifier — PSAT 45.5 dBm (typical)

LCI-PA-2700-3500-PS45p5T-C · 2700–3500 MHz · GaN
Packaged Power Amplifier.



The RF table specifies: PSAT 45.5 dBm (typical); Power gain 26.5 dB (typical); PAE 55 % (typical). RF test conditions: Vd = +28 V; Vg = -2.8 V; D = 10%; Pin = 19 dBm.

QF92-4AC

Apply gate bias before drain bias. Remove drain bias before gate bias.

Vg: C = 10 µF

Vg: 1

RFin: 2

Vd: 3

RFout: 4

Package outline dimensions: 21 × 13 × 4.55 mm.

RF characteristics

Vd = +28 V; Vg = -2.8 V; D = 10%; Pin = 19 dBm

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Operating frequency	f	2700	-	3500	MHz
Saturated output power	-	44.5	45.5	-	dBm
Power gain	-	25.5	26.5	-	dB
Power-added efficiency	-	50	55	-	%
Power-gain flatness	-	-	-	1.5	dB

DC bias and current

Parameter	Symbol	Minimum	Typical	Maximum	Value	Unit
Drain voltage	-	-	-	-	28	V
Gate voltage	-	-	-	-	-2.8	V

Absolute limits

Absolute limits; these are not normal operating targets.

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Maximum drain-source voltage	-	-	-	32	V
Minimum gate bias	-	-5	-	-	V
Storage temperature	-	-65	-	150	°C
Maximum input power	-	-	-	23	dBm

Absolute limits

Absolute limits; these are not normal operating targets.

Parameter	Symbol	Minimum	Typical	Maximum	Unit
Maximum channel temperature	-	-	-	200	°C

Package outline dimensions

Parameter	Value	Unit
Package outline dimensions	21 × 13 × 4.55	mm

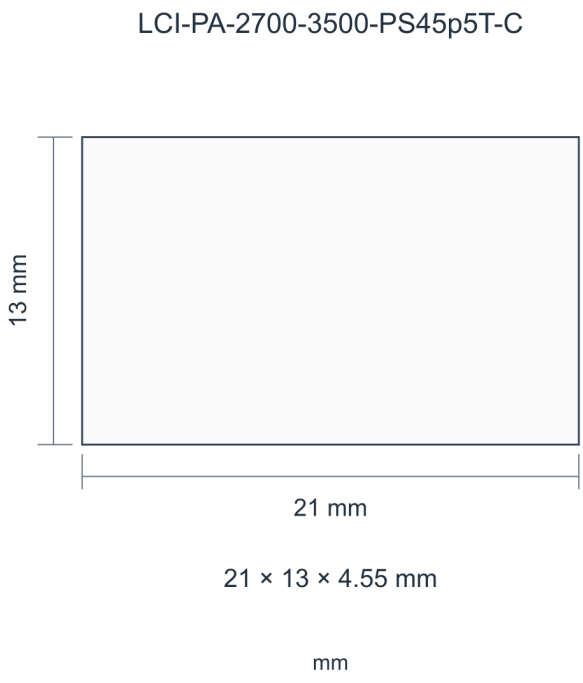
Current publication record · 1.6 · 2026-11-12. Product description or editorial content updated. Replaces revision 1.5.

Integration notes

QF92-4AC Apply gate bias before drain bias. Remove drain bias before gate bias. Vg: C = 10 µF Vg: 1 RFin: 2 Vd: 3 RFout: 4

Mechanical Outline

Partial drawing showing confirmed dimensions in mm. Use the complete installation drawing for installation.

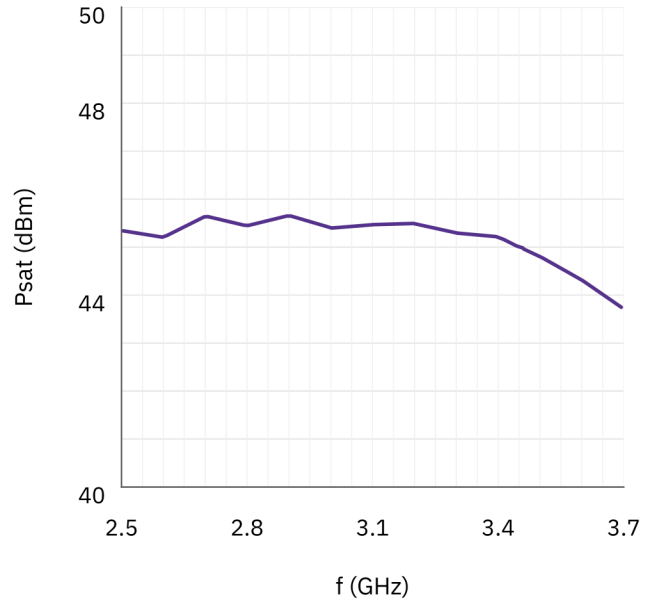


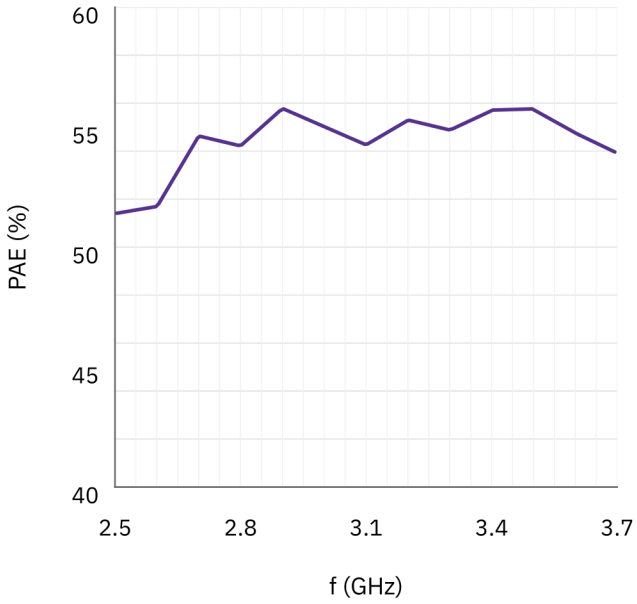
Performance curves

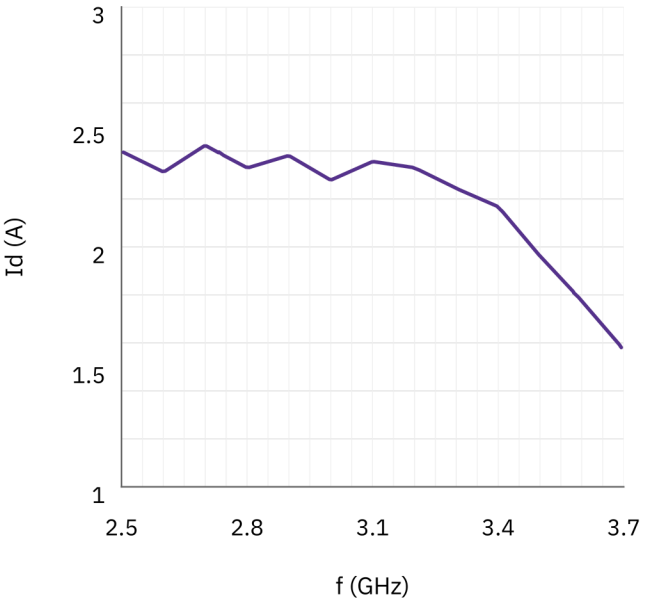
Each performance plot applies to its stated operating conditions.

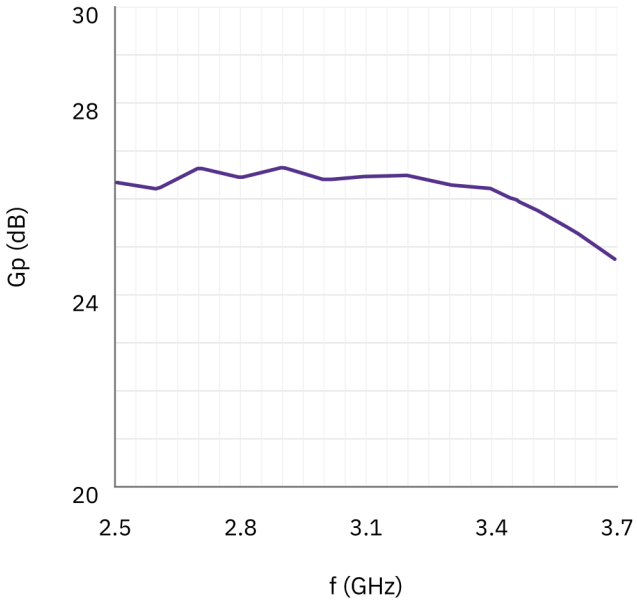
Saturated output power; Power-added efficiency; Dynamic drain current; Power gain.

Figure notes: TA=+25°C; Vd=+28V; Vg=-2.8V; Pin=19dBm. Readings are approximate. D = 10%.



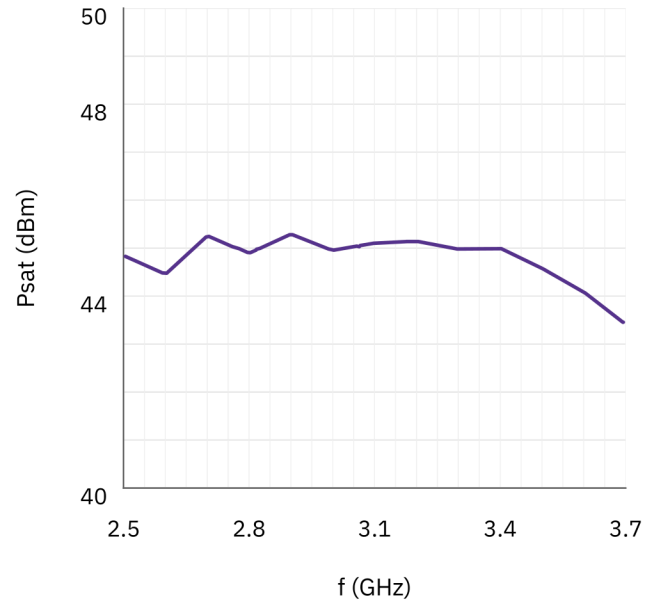


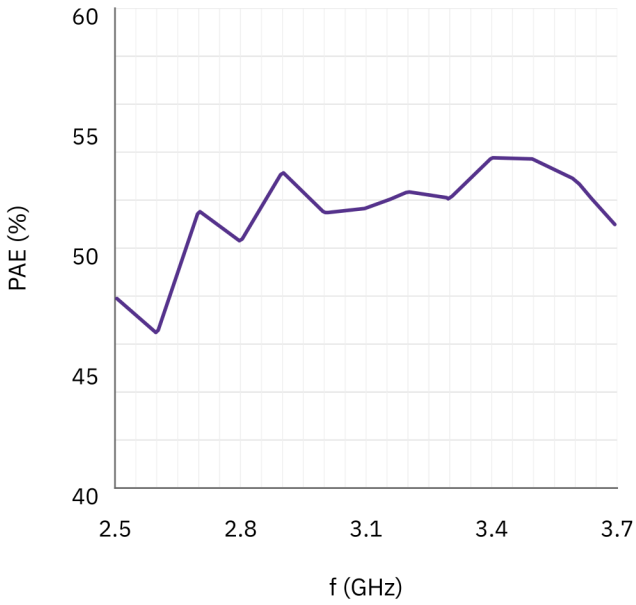


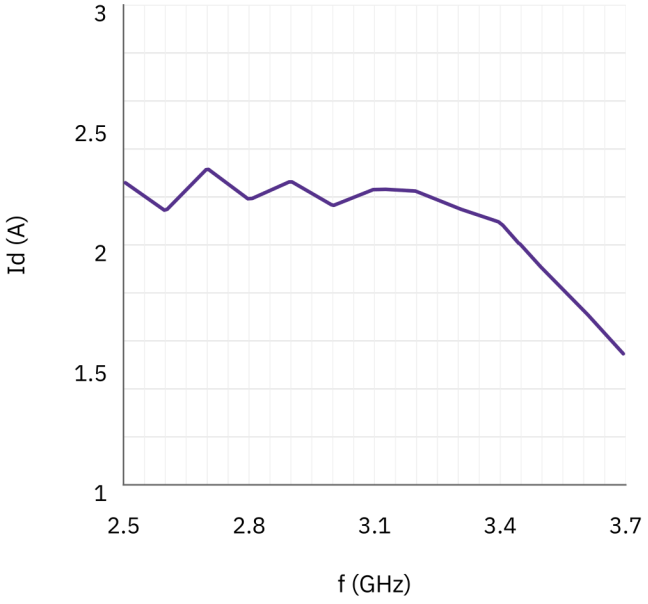


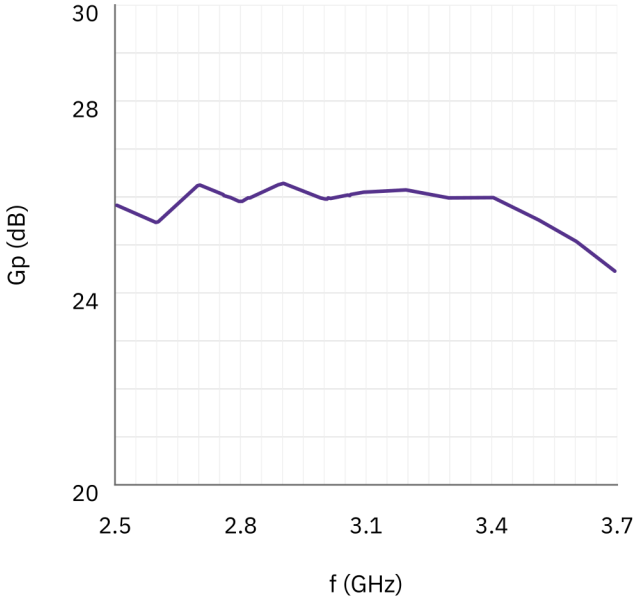
Continuous wave (CW) — Saturated output power; Power-added efficiency; Dynamic drain current; Power gain.

Figure notes: TA=+25°C; Vd=+28V; Vg=-2.8V; Pin=19dBm. Readings are approximate.









Document notice

Specifications are subject to revision. Before design release, confirm the current document revision and product-specific requirements with LCRF. The approved quotation and order documentation define the supplied configuration.