



Broadcom

## GAAS FET

**These parts are at end of life and should not be used in new designs.**

Product Obsolescence Notice OBS120117WSD3, Dec. 2017

Broadcom's GaAs FET offers both depletion or enhancement mode PHEMT technology. Depletion mode offers superior noise figure while enhancement mode offers good noise figure and superior linearity.

| Product Line | Part Number | Data Sheet or Product Brief | Distrib. Inventory | Lifecycle | RoHS6 Compliant | Frequency (GHz) | Bias Condition (V@mA) | NF (dB) | Gain (dB) | P1dB (dBm) | OIP3 (dBm) | Package     |
|--------------|-------------|-----------------------------|--------------------|-----------|-----------------|-----------------|-----------------------|---------|-----------|------------|------------|-------------|
| GaAs FET     | ATF-52189   |                             | No                 | Obsolete  | Y               | 0.05-6          | 4.5V@200mA            | 1.5     | 16        | 27         | 42         | SOT-89      |
| GaAs FET     | ATF-33143   |                             | No                 | Obsolete  | Y               | 0.45-10         | 4.0V@80mA             | 0.5     | 15        | 22         | 33.5       | SOT-343     |
| GaAs FET     | ATF-501P8   |                             | No                 | Obsolete  | Y               | 0.4-3.9         | 4.5V@280mA            | 1.0     | 15        | 29         | 45.5       | SMT 2x2     |
| GaAs FET     | ATF-35143   |                             | No                 | Obsolete  | Y               | 0.45-10         | 2.0V@15mA             | 0.4     | 18        | 11         | 21         | SOT-343     |
| GaAs FET     | ATF-511P8   |                             | No                 | Obsolete  | Y               | 0.05-6          | 4.5V@200mA            | 1.4     | 14.8      | 30         | 41.7       | SMT 2x2     |
| GaAs FET     | ATF-521P8   |                             | No                 | Obsolete  | Y               | 0.05-6          | 4.5V@200mA            | 1.5     | 17        | 26.5       | 42         | SMT 2x2     |
| GaAs FET     | ATF-53189   |                             | No                 | Obsolete  | Y               | 0.05-6          | 4V@135mA              | 0.85    | 15.5      | 23         | 40         | SOT-89      |
| GaAs FET     | ATF-54143   |                             | No                 | Obsolete  | Y               | 0.45-6          | 3V@60mA               | 0.5     | 16.6      | 20.4       | 36.2       | SOT-343     |
| GaAs FET     | ATF-36163   |                             | No                 | Obsolete  | Y               | 1.5-18          | 2.0V@15mA             | 1.0     | 10        | 5          |            | SOT-363     |
| GaAs FET     | ATF-551M4   |                             | No                 | Obsolete  | Y               | 0.45-6          | 2.7V@10mA             | 0.5     | 17.5      | 14.6       | 24.1       | SMT 1.4x1.2 |
| GaAs FET     | ATF-38143   |                             | No                 | Obsolete  | Y               | 0.45-10         | 2V@10mA               | 0.4     | 16        | 12         | 22         | SOT-343     |
| GaAs FET     | ATF-531P8   |                             | No                 | Obsolete  | Y               | 0.05-6          | 4V@135mA              | 0.6     | 20        | 24.5       | 38         | SMT 2x2     |
| GaAs FET     | ATF-34143   |                             | No                 | Obsolete  | Y               | 0.45-10         | 4.0V@60mA             | 0.5     | 17.5      | 20         | 31.5       | SOT-343     |
| GaAs FET     | ATF-50189   |                             | No                 | Obsolete  | Y               | 0.4-3.9         | 4.5V@280mA            | 1.1     | 15.5      | 29         | 45         | SOT-89      |
| GaAs FET     | ATF-331M4   |                             | Yes                | Obsolete  | Y               | 0.45-10         | 4.0V@60mA             | 0.6     | 15        | 19         | 31         | SMT 1.4x1.2 |
| GaAs FET     | ATF-58143   |                             | No                 | Obsolete  | Y               | 0.45-6          | 3V@30mA               | 0.5     | 16.5      | 19         | 30.5       | SOT-343     |
| GaAs FET     | ATF-541M4   |                             | No                 | Obsolete  | Y               | 0.45-10         | 3V@60mA               | 0.5     | 17.5      | 21.4       | 35.8       | SMT 1.4x1.2 |
| GaAs FET     | ATF-55143   |                             | No                 | Obsolete  | Y               | 0.45-6          | 2.7V@10mA             | 0.6     | 17.7      |            | 24.2       | SOT-343     |