

1819AB12

12 Watts, 25 Volts, Class AB Personal 1808 - 1880 MHz

GENERAL DESCRIPTION

The 1819AB12 is a COMMON EMITTER transistor capable of providing 12 Watts of Class AB, RF output power over the band 1808-1880 MHz. This transistor is specifically designed for **PERSONAL COMMUNICATIONS BASE STATION** amplifier applications. It includes Input prematching and utilizes Gold metalization and HIGH VALUE EMITTER ballasting to provide high reliability and supreme ruggedness. .

ABSOLUTE MAXIMUM RATINGS

Maximum Power Dissipation @ 25°C 30 Watts

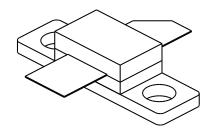
Maximum Voltage and Current

BVcesCollector to Emitter Voltage60VoltsBVeboEmitter to Base Voltage3.5 VoltsIcCollector Current3.5 Amps

Maximum Temperatures

 $\begin{array}{ll} \mbox{Storage Temperature} & -65 \mbox{ to} + 150 \mbox{°C} \\ \mbox{Operating Junction Temperature} & + 200 \mbox{°C} \end{array}$

CASE OUTLINE 55CT, STYLE 2 COMMON EMITTER



ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Pout Pin Pg η _c VSWR ₁	Power Out Power Input Power Gain Collector Efficiency Load Mismatch Tolerance	F=1880 MHz Vce = 25 Volts Icq = 0.13 Amps As Above	12 7.5	8.0 43	2.2	Watt Watt dB %

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