

1819AB4

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

GENERAL DESCRIPTION The 1819AB4 is a COMMON EMITTER transi Watts of Class AB, RF output power over the ba transistor is specifically designed for PERSONA BASE STATION amplifier applications. It inclutilizes Gold metalization and HIGH VALUE E high reliability and supreme ruggedness.	CASE OUTLINE 55CT, STYLE 2 COMMON EMITTER	
ABSOLUTE MAXIMUM RATIN Maximum Power Dissipation @ 25°C	GS 20 Watts	
Maximum Voltage and Current		
BVces Collector to Emitter Voltage	60Volts	
BVebo Emitter to Base Voltage	3.5 Volts	
Ic Collector Current	1.5 Amps	
Maximum Temperatures		\checkmark
Storage Temperature	- 65 to + 150°C	
Operating Junction Temperature	+ 200°C	

ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	ТҮР	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 = 0.100 Amps As Above	3.2 9.3	10.0 43	.38 3:1	Watt Watt dB %

BVces BVebo Ices h _{FE} Cob θjc	Collector to Emitter Breakdown Emitter to Base Breakdown Collector Leakage Current DC - Current Gain Output Capacitance Thermal Resistance	Ic = 50 mA Ie = 10 mA Vce = 27 Volts Vce = 5 V, Ic = 0.100 A F = 1 MHz, Vcb = 28 V Tc = 25° C	60 3.5 20	5.5	1.0 100 6.0	Volts Volts mA pF °C/W	
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