

## 1617AB15

15 Watts PEP, 26 Volts, Class AB Linear 1600 - 1700 MHz

The 1617 15 Watts I This trans amplifier a metalizatio	<b>RAL DESCRIPTION</b> AB15 is a COMMON EMITTER tra PEP of Class AB, RF output power of istor is specifically designed for <b>SA</b> applications. It includes Input prema on and HIGH VALUE EMITTER ba and supreme ruggedness.	CASE OUTLINE 55CW COMMON EMITTER	
	<b>LUTE MAXIMUM RATI</b> Power Dissipation @ 25°C	NGS 58 Watts	
Maximun	n Voltage and Current		
BVces	Collector to Emitter Voltage	60 Volts	
LVceo	Collector to Emitter Voltage	27 Volts	
BVebo	Emitter to Base Voltage	3.5 Volts	
Ic	Collector Current	6.0 Amps	
Maximun	n Temperatures		
	emperature	- 65 to + 150°C	
Storage To	emperature		

## ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
P-1dB Pg IMD <sub>3</sub> VSWR	Power Out 1 dB comp pt. Power Gain Intermod. distortion -3rd Load Mismatch Tolerance	F =1700 MHz Icq = 100 mAmpsVcc= 26V 15 W PEP, Two Tone	15 10.0	12	-32 6:1	Watt dB dBc

BVces LVceo BVebo Ices h <sub>FE</sub> Cob	Collector to Emitter Breakdown Collector to EmitterBreakdown Emitter to Base Breakdown Collector Leakage Current DC - Current Gain Output Capacitance	Ic = 50 mA Ic = 50 mA Ie = 10 mA Vce = 26 Volts Vce = 5 V, Ic = $0.5$ A F =1 MHz, Vcb = 28 V	60 27 3.5 20	20	10 100	Volts Volts Volts mA pF
Соб Өјс	Thermal Resistance	F = 1 MHZ, $V CD = 28$ V Tc = 25°C		20	3.0	°C/W

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GHz Technology Inc. 3000 Oakmead Village Drive, Santa Clara, CA 95051-0808 Tel. 408 / 986-8031 Fax 408 / 986-8120