

1920AB60

60 Watts PEP, 25 Volts, Class AB Personal 1930 - 1990 MHz

The 1920. Watts of C This trans COMMU two stage and HIGH supreme r	RAL DESCRIPTION AB60 is a COMMON EMITTER tra Class AB, RF PEP output power over istor is specifically designed for LIN INICATIONS BASE STATION am input and single output prematching. I VALUE EMITTER ballasting to pro uggedness	the band 1930-1990 MHz. EAR PERSONAL (PCS) plifier applications. It includes It utilizes Gold metalization ovide high reliability and	CASE OUTLINE 55SU, STYLE 2 COMMON EMITTER
	Power Dissipation @ 25°C	200 Watts	~
BVces LVceo BVebo Ic Maximum Storage T	n Voltage and Current Collector to Emitter Voltage Collector to Emitter Voltage Emitter to Base Voltage Collector Current n Temperatures emperature Junction Temperature	55 Volts 27 Volts 3.5 Volts 20.0 Amps - 65 to + 150°C + 200°C	

ELECTRICAL CHARACTERISTICS @ 25 °C

SYMBOL	CHARACTERISTICS	TEST CONDITIONS	MIN	ТҮР	MAX	UNITS
Pout Pin Pg Rl η _c VSWR ₁	Power Out - PEP Power Input - PEP Power Gain Return Loss Collector Efficiency Load Mismatch Tolerance	F =1930 - 1990 MHz Vce = 25 Volts Icq = 400 mAmps As Above	60 7.3 42	8.0 44	11 -10 3:1	Watt Watt dB dB %

BVces BVceo BVebo Ices h _{FE} θjc	Collector to Emitter Breakdown Collector to Emitter Breakdown Emitter to Base Breakdown Collector Leakage Current DC - Current Gain Thermal Resistance	Ic = 100 mA Ic = 100 mA Ie = 25 mA Vce = 27 Volts Vce = 5 V, Ic = 1.5 A Tc = 25°C	55 27 3.5 20		30 100 .87	Volts Volts Wolts mA °C/W
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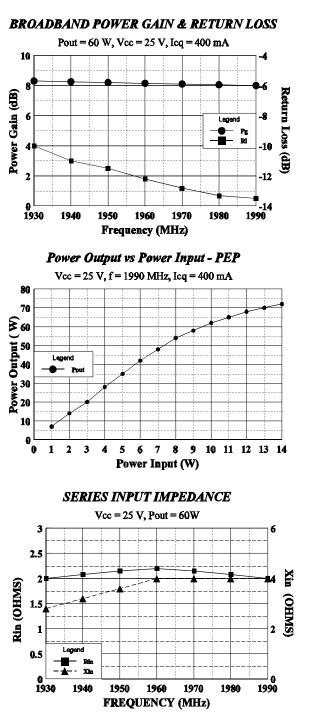
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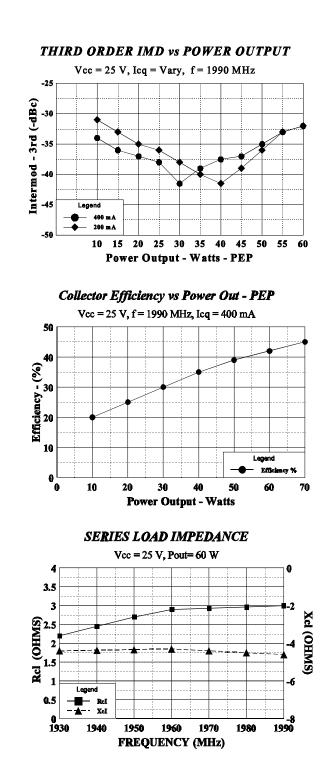
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Ghz Technology Inc. 3000 Oakmead Village Drive, Santa Clara, CA 95051-0808 Tel. 408 / 986-8031 Fax 408 / 986-8120









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ZONE	REV		DESCRIPTIC	REVISIONS	DATE	ROVED
	1.99			4.406	pf AT	55
<u>{</u>	2 NO. 1 2 3 4	X DIM .320 .930 .710 .635 .355	Y DIM .089 .115 .950 .950 .105			
	5 6 7 8	.175 .465 .330	.168 .105 .089			