GAE GREAT AMERICAN ELECTROINCS

2N6203

Silicon NPN power UHF transistor 2N6203 is designed primarily for communications transceiver equipment (Class C). Also used for auto-oscillator and frequency multiplier circuits.

Output Power:	12 Watt
Frequency Range:	100-400 Mhz
Voltage:	28 V
Package Type:	MT-72

Common Emitter Configuration
Emitter Ballasting
Aluminum Metalization

Electrical Characteristics (T_{CASE}=40°C)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
P_{out}	f_o = 400 Mhz/V_{cc}=28V/P_{IN} =3W	12			W
G_p	f_o = 400 Mhz/V_{cc}=28V/P_{out}=12W	6			dB
λ_c	f_o = 400 Mhz /V_{cc}=28V/P_{out}=12W	50	70		%

ABSOLUTE MAXIMUM RATINGS (T_{CASE} = 25°C)

SYMBOL	PARAMETERS	VALUE	UNIT
V_{CER}	Collector-Emitter Voltage R_{EB}≤100 Ω	60	V
V_{EBO}	Emitter-Base Voltage	4	V
I_c	Continuous Collector Current	1	A
P_C	Collector Power Dissipation	15*	W
T_j	Junction Temperature	160	°C
R_{th}(j-c)	Junction-Case Thermal Resistance	8.8	°C/W

*For Dynamic Operation, T_{CASE} = 28°C