

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

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