

ABSOLUTE MAXIMUM RATINGS (Ambient Temperature Ta = 25°C)

Parameter	Symbol	Rating	Unit
DC Input Voltage	V _{DD}	10	V
DC Input Voltage	V _{GG}	-7	V
Input Power	P _{in}	13	dBm
Storage Temperature	T _{stg}	-55 to +125	°C
Operating Case Temperature	T _{op}	-55 to +85	°C

Fujitsu recommends the following conditions for the reliable operation of GaAs modules:

1. The drain operating voltage (V_{DD}) should not exceed 8 volts.
2. The gate operating voltage (V_{GG}) should not exceed -5 volts.

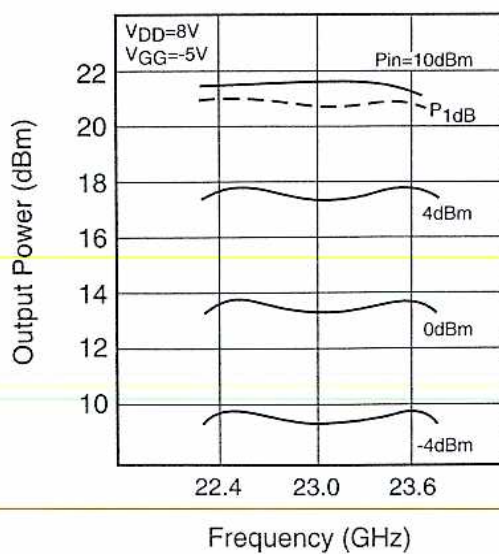
ELECTRICAL CHARACTERISTICS (Case Temperature Tc = 25°C)

Item	Symbol	Test Conditions	Limit			Unit
			Min.	Typ.	Max.	
Frequency Range	f		22.4 ~ 23.6			GHz
Output Power at 1dB G.C.P.	P _{1dB}	V _{DD} = 8V V _{GG} = -5V	20.0	21.0	-	dBm
Power Gain at 1 dB G.C.P.	G _{1dB}	f = 22.4 ~ 23.6 GHz	10.0	12.0	15.0	dB
Gain Flatness	ΔG	V _{DD} = 8V V _{GG} = -5V	-	1.0	2.0	dB
Input VSWR	VSWR _i	P _{in} = 0dBm	-	2.5:1	3.0:1	-
Output VSWR	VSWR _o	f = 22.4 ~ 23.6GHz	-	3.0:1	4.0:1	-
DC Input Current	I _D	V _{DD} = 8V	-	120	150	mA
DC Input Current	I _G	V _{GG} = -5V	-	10	15	mA

CASE STYLE: GJ

G.C.P.: Gain Compression Point

OUTPUT POWER vs. FREQUENCY



OUTPUT POWER vs. INPUT POWER

