

PRELIMINARY
 Notice : This is not a final specification
 Some parametric limits are subject to change.

MITSUBISHI SEMICONDUCTOR <GaAs MMIC>

MGFC5214

Q-Band 2-Stage Power Amplifier

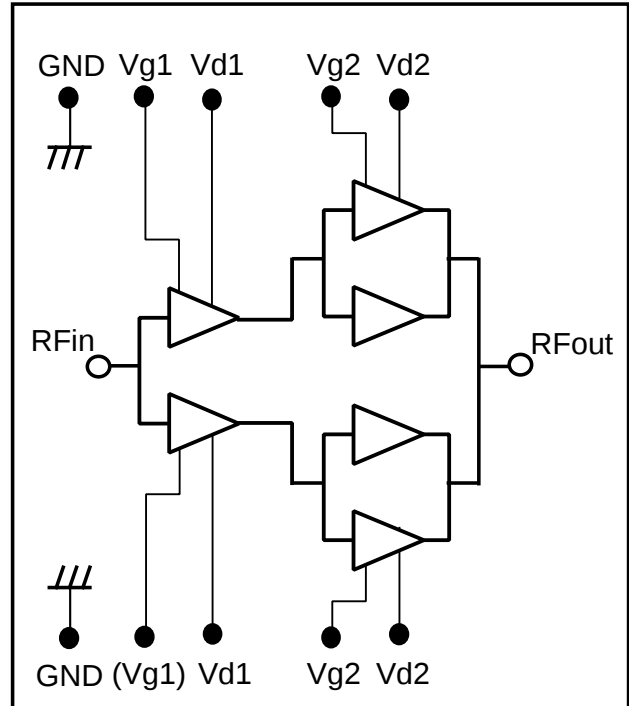
Performance Characteristics

(Ta=25°C)

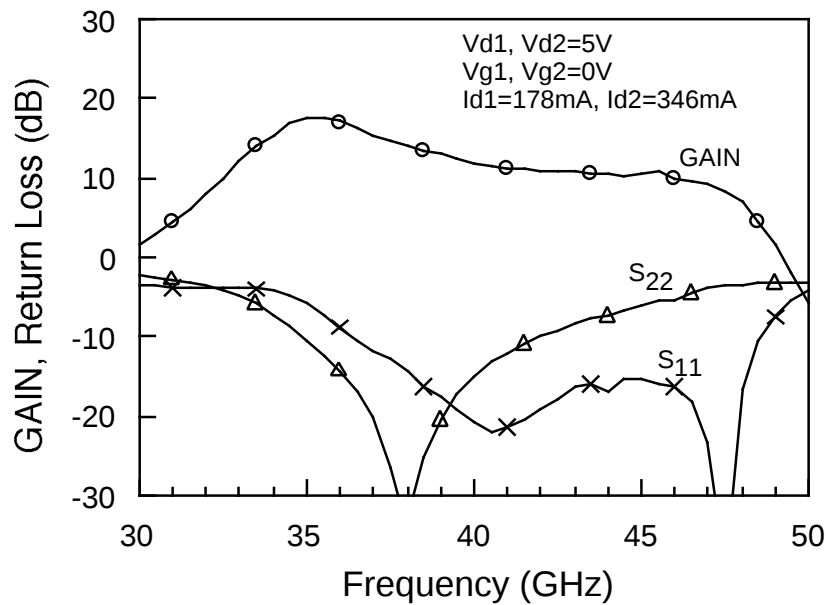
Specification	Min.	Typical	Max.	Unit
Frequency	37	—	40	GHz
Linear Gain	—	12	—	dB
P1dB	(23)	—	—	dBm
Input VSWR	—	—	2.0	—
Output VSWR	—	—	2.0	—
Vd	5			V
Vg	0			V
Chip Size	2.0x1.6			mm ²

(): Design Target (Now Evaluating)

Circuit Topology



Measured S-Parameters vs Frequency



MITSUBISHI
ELECTRIC