



C-BAND SOLID-STATE POWER AMPLIFIERS (60W MODULE)



- High quality, High reliability, High stability
- High linearity
- Conservative thermal
- Width dynamic signal range
- Optional Gain
- Multifold optional functions

Heat Sink required during operation.

C-BAND SOLID-STATE POWER AMPLIFIERS(60W MODULE)

Electrical Specifications

Parameter	Notes	Min Nom/Typ Max	Units
Frequency Range		5.850 6.425 5.850 6.725	GHz
Gain	60W	65	dB
Noise Figure		8	dB
Gain Flatness	Per 575MHz Per 36MHz	≤2 ≤0.6	dBp-p
Power Output, at 1dB compression	60W	+47.8	dBm
Saturated Power Output	60W	+48.8	dBm
IM3	At 3dB total backoff from 1dB compression point	-25	dBc
Sperious	At P1dB	≤-65	dBc
VSWR	Input Output	1.35:1@50Ω	
Power Supply	Voltage	+10.6	VDC
Power dissipation	60W	180	W



RF-LAMBDA

The power beyond expectations

RFLNPA06725

G-BAND SOLID-STATE POWER AMPLIFIERS(60W MODULE)

Other Specifications			
Parameter	Notes	Min Nom/Typ Max	Units
Connectors	RF Input RF Output	N female WR 137 Waveguide	GHz
Operating Temperature Range	Ambient air temperature	-40°C~+50°C	dB
Weight	60W	1400	g
Dimensions	60W	81×207×24	mm
RF Output sample port	Connector(SMA F)	-40	dBc
Over temperature protection	Analog output	2.73(0°C)+0.01/°C	V
Power monitoring	Analog output	0.2~4.5	V
Gain control	Rang	0~60	dB
Gain equalization	Gain stability vs. temperature	+/-2.0	dB

DRAWING:

