## 0.8 to 4.2 GHz.



10 walls. 0.8-4.2 GHz CW

10 watts min. 1 milliwatt max. Rated Power Output Input Fox Rated Output Power Output @ 3dB compression Nomind 18 wats, min 13 wats Power Output @ 1dB compression Nomind 16 wats / min 10 wats

Ou orms, norm

Note that the control of the control

Minus 20dBc max. at 10 watts

Harmonic Distortion Minus 20dBc in Third Order Intercept Point Primary Power (selected automatically) 50 - 132, 180 - 264 VAC 50/60 Ptz. single phase 250 wetts max.

IEEE-488, RS-232 Type N female on front panel Type N female on front panel Remote Interfaces IEEE-488 RS-232 RF input RF output

24 pin Fubminiature D female 15 Pin Subminiature D Forced air (self contained fans) 20.5 kg (45 lb) Remote Interlock
Cooling
Cooling
Forced air (self conta
Weight
Size (Wktkt)
50.3 x 15.5 x 37.6 cm / 19.8 x 6.1 x 14.8 in. FREQUENCY (GHz)

12

FREQUENCY (GHz)



### 25 watts. 0.8-4.2 GHz CW

25 watts min. 1 milliwatt max. Rated Power Output input for Rated Output Rated Output @ 3dB compression Normal 22 wasts, min. 25 wats Power Output @ 1dB compression Normal 27 wasts / min. 20 wats f.min. 20 wats f.min.

±1.5dB typ. / ±2dB max. 0.8 - 4.2 GHz instantaneously 44dB min. Flatness

Note in the Order Intercept

See fortun. The third order inscreep points for his chart

See four. The third order inscreep points for his chart

to do the instruction of the order order order

to do the improvement in the IP

Special such as 600 kHz generally provides chour of Jub

to do improvement in the IP

Special such as 600 kHz generally provides chour of Jub

Third provides chour of Jub

Special such as 12, 180 - 264 AAC

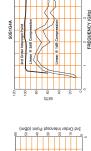
Connectors

Refined

Remote Interfaces

Provide such as 12, 180 - 18 24 pin Subminiature D female
15 pin Subminiature D
Forced air (self contained fans)
35 kg (77 lb) Safety Interlock Cooling

Weight Size (Wxtkxb) 50.3 x 20.3 x 54.6 cm / 19.8 x 8 x 21.5 in.



### 50S1G4A Solid State Amplifier 6 = 0

### 50 waths. 0.8-4.2 GHz CW

50 watts min. 1 milliwatt max. Rated Power Output
Input fer Rated Output
Power Output @ 3d8 compression
Nominel Towarts / min. 50 warts
Power Output @ 1d8 compression
Power Output @ 1d8 compression
Nominal 50 warts / min. 40 warts

±1.5dB typ. / ±2dB max. 0.8 - 4.2 GHz instantaneously Flatness

\*\* Comparing Response 0.8 - 1.20 pp. 7 ±.20 m. do. doin for now. selfing)

\*\*Conin Adjustment Continuous roung)

\*\*Conin Mismarch Tolerance

\*\*Conin Tolerance

\*\*Con

Spurious Minus 2048c max at 50 watts
Allows These Linearity
Place Linearity
Filter Power (seaced automatically)
50 - 182, 180 - 264 VAC
50(60 Hz, single phase

Type N female on front panel Type N female on front panel Connectors
RF input
RF output
Remote Interfaces
IEEE-488
RS-232
Safety Interlock

24 pin Faudle 9 pin Subminiature D female 15 pin Subminiature D Forced air (self contained fans) 45 kg (100 lb) Size (WxHxD) 50.3 x 24.9 x 54.6 cm / 19.8 x 9.8 x 21.5 in.

# 20051G4A Solid State Amplifier 10051G4 Solid State Amplifier

40051G4 Solid State Amplifier



....

### 200 watts. 0.8-4.2 GHz CW

100 walls. 0.8-4.2 GHz CW

Rated Power Output
Input fer Rated Output
Power Output @ dal compression
Nominol 120 wats / min. 90 wats
Power Output @ 148 compression
Nominal 100 wats / min. 70 wats

375 waths. 0.8-4.2 GHz CW

100 watts min.
1 milliwatt max.

A Reted Output Power

A Input for Reted Output

Power Output @ 3de compression

Power Output @ 1de compression

Nomind 210 wats / min. 160 wats

Nomind 210 wats / min. 160 wats

Nomind 220 8 Wats | March | 50 ohms, VSWR 2.0:1 max. 50 ohms, VSWR 2.5:1 max. Frequency Response Gain (at max. setting) Gain Adjustment Input Impedance Output Impedance Mismatch Tolerance

Figures 1.368 typ. / ±2d8 max. / ±1d8 with Internal Leveling Frequency Response 0.8 - 4.2 GHz instantaneously 5048 min. 

300 watts c. / ±1dB with Internal Leveling 0.8 - 4.2 GHz instantaneously

Rated Power Output
Input for Rated Output
Dower Output @ 3d8 compression
Nominal 430 waits / min. 333 waits
Power Output @ 148 compression
Nominal 390 waits / min. 300 waits
Hatness ±3.548 max / ±168 will

50 ohms, VSWR 2.0:1 max. 50 ohms, VSWR 2.5:1 max.

Frequency Response Gain (at max. setting) Gain Adjustment Input Impedance Output Impedance Mismatch Tolerance

100% of rated power without foldback. Will aperate without damage or oscillation with any magnitude and phase of source and load impedance. (See Application Yote #27)

Digital, forward and reflected 64dBm typ. Harmonic Distortion Minus 20dBc max. at 200 watts RF Power Display
Third Order Intercept Point

0 - 150 Watts

100% of rated power without foldback. Will operate without damage or oscillation with any magnitude and phase of source and load impedance. (See Application Note #27)

Input Impedance 50 ohms, Northur Impedance 50 ohms, nominal / VSWR 2.0:1 max.

Mismatch Tolerance

**Primary Power** 120 - 240 VAC 50/60 Hz, single phase 2150 watts max. RF Power Display
Third Oxfeet Intercept
See chart. The third order intercept points for this chart
have been determined using two lones spoosed 1 MHz
apart. This is typical for WCDMA systems. Closer tone
specing such so Ok Hz generally provides about a 1 db
to 3 db improvement in the Pharmonic Distortion
Minus 20dBs max or 180 Water

RF input
RF output
Page N female on front panel
RF output
Page NNC female on front panel
Puternal leveling inputs Type BNC female on front panel
Puter Madulation input Type BNC female on front panel
Detected RF output
Type BNC female on front panel Spurious Minus 20dBc max at 80 watts Spurious Phase Linearity Phase Linearity Power (searced automatically) (200, 132, 192, 264 W.C. 500,60 Hz, single phase

Re input
Re organic plants by the Name of the national power
Exercised leaving inputs byte BNC female on front power
Detected Re organic byte BNC female on front power
Detected Re organic byte BNC female on front power
Remote computer influence system computer influence and the power
Remote computer influence system or near power
EEE-488 (CH81) & RS-223 female commedor on rear power

Remote Computer Interfaces (Fiber Optic)
Remote Computer Interfaces (Fiber Optic)
ST Court Ix and Rx KS223.
Stafety Interfack 15 pin lemate Subminiature D on rear panel
Cooling
Cooling
Stafety Interface (15 pin lemate Subminiature D on rear panel
Cooling Remote computer interferos

RELEJOS (CARDIA S. 2.22 Temple connector on reor panel S. Remote Computer Interferos (Fider Optical Computer Interferos (Fider Optical Computer Interferos Para S. Tomin Knad R. R. 2.22 Maria S. Para S. 24 pin female 9 pin Subminiature D female Type BNC on front panel 15 pin female Subminiature D Forced air [self contained fans] 86.2 kg (190 lb)

Type N female on front panel Type N female on front panel

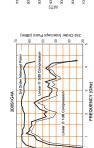
Weight Size (WxHxD) **Size** [W×HxD] 56.1 x 109 x 67.1 cm / 22.1 x 43 x 26.4 in.

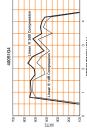
Cabinel 1 56.1 x 109 x 67.1 cm / 22.1 x 43 x 26.4 in. 56.1 x 109 x 67.1 cm / 22.1 x 43 x 26.4 in. 56.1 x 152.4 x 67.1 cm / 22.1 x 60 x 26.4 in.

 Cooling
 Forced air [self or 86]

 Weight Size (WxHxD)
 50.3 x 47 x 61 cm / 19.8 x 18.5 x 24 in.

RS-232 ALC & Pulse **Safety Interlock** 





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REGIENCY