HOWLIN'AMPS
• CUSTOM AMPLIFICATION •

Pilot Light

(Diode is optional)

1N4007

390Ω

PRESENCE 25K Lin

MASTER 1M Log

68pF

RATIO 1M Log

33pF

LEVEL 250K Log

U T S V C Z

BASS 500K Log

68K

MIDDLE 25K Lin

TREBLE 250K Log

100K

ROCK / JAZZ

0.005uF

100K

MID

390pF

4.7M

BRIGHT

68pF

VOLUME 1M Log

B

FET

NOR

1M

A

PAB

Relay Board

PAB

1N4007

22M

U

OD

Relay Board

OD

1N4007

S

T

N

M

D

E

Z

V

H1 H2

OT CT

CHOKE

G

REVB OT prim

STAND BY

STDBY U U1 CHOKE U2 U3 U4 U5 AP

GND

To Start GROUND

1000pF 4007

6.8K

8.2K

15K

2.2K

HT

22uF

100uF

150K

470K

45V

10uF

15K

47K

Howlin.Amps

Graetz

470uF

7812

0.1uF

1uF

Power Supply board

BIAS

Howlin Amps ODS-MB

Grid

PRES LUG

PRESENCE

0.1uF

Level

GND

0.02uF

220K

47pF

100K

110K

4.7K

1M

511Ω

820Ω

4.7uF

2.2K

3.3K

9.1K

0.1uF

0.02uF

150K

220K

120K

47K

0.002uF

470K

1.8K

0.01uF

0.02uF

20K

10k

U3

U4

J1

U5

3,15V 3,15V 345V CT 345V

230V 0 50V 0V 6V 12V

Star GROUND

Pilot Light

F1 F2

OT primaries

D E G

3.3K

BIAS 50K Lin

1K

1Ω

6L6

6L6

OT secondary

4 8 16

IMPEDANCE SELECTOR

HT FUSE 0.5A

POWER PLUG

FUSE 2A

ON/OFF

H1 H2

STANDBY

J1 J2

OD TRIM 100K Lin

J11

PowerAmp In

PreAmp Out

M N

REVB OT sec

Send

Return

REVB OT prim

ECC83

0.01uF

0.001uF

1M

390K

150K

Reverb ON/OFF

Reverb 100K Lin

82K

OD board

PAB board

12V+

OD

PAB

FOOTSWITCH

1K

1K

0.1uF

ECC83

ECC83

ECC83

C J2

B A

180K

68K

220K

470pF

22K

FET BOARD

GND

100pF

1M

4.7uF

4416

ET

10K

3.3M

4.7K

10K

8.2K

100uF

150K

FET Board

U5

model ODS BluesMaster HRM / Reverb - 2x6L6