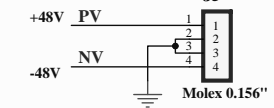


PERFORMANCE

slew rate, fmax
with Q19, Q25
slew S = i/C
160mA/120pF
S = 1330V/us
S = 2pi f A
fmax = S/2pi 40V
fmax = 5 MHz
without Q19, Q25 stage
42pF/pair, 3 or 7 pairs
S = 540V/us

POWER

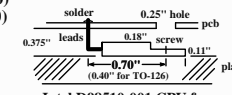


Don't use 1-ohm OUT!!
UNPROTECTED
See AMP-70B

TO-220F transistors

NPN: 2SC4883 (10)
PNP: 2SA1859 (10)
pinouts
4883 TO-220F
1859 B C E
3503 TO-126
1381 E C B
alternates
2SC5171 TO-220F
2SA1930

mounting



** 8-inch-version **
pcb rev 1, prototype

highest Q42, R88, C32, D21, U8
See AoE Figure 2x.85

| | | | | | |
|-------|--------------------------------|------------------------------|--|-----------------|------------|
| Title | | DC-10MHz 5A 1kv/us amplifier | | W. Hill C. Fisk | |
| Size | Number | AMP-70A-2 v2 | | Revision | 2016-02-16 |
| B | | | | | |
| Date: | 2/16/2016 | | | Sheet of | |
| File: | D:\files-PCAD\AMP-70A-2 v2.SCH | | | Drawn By: | |