

# AMP TEST REPORT

| Report | Review | Check | Approval |
|--------|--------|-------|----------|
|        |        |       |          |

Production Order No : CL - Q'TY:  
 2003 . 11 . 17 . ( Q.A ) DEPARTMENT ( ) Production ( ) SAMPLE ( ) Rev

|                                    |                     |                                     |                                  |
|------------------------------------|---------------------|-------------------------------------|----------------------------------|
| BUYER / BRAND                      | CALIBER             | TESTED BY                           | J . B . KIM                      |
| MODEL No.                          | CA 475 PLUS         | INPUT VOLT                          | 13.8 V                           |
| PCB (REV) No.                      | PAM 546 - 02        | NO SIGNAL CURREN                    | 1200 mA                          |
| OUTPUT (LOAD)                      | 30.47 V             | OUTPUT VOLT (NO LO)                 | 34.12 V                          |
| DC/DC CONVERTOR O.S.C<br>FREQUENCY | 23.34 KHz           | SHORT PROTECTION                    | Continually ( 5 ) Time( 11.9 ) A |
| LOW VOLT DETECTION N               | 8.4 V OFF 8.2V N/   | HIGH VOLT DETECTION                 | ON V OFF V ( N/A )               |
| HUM & BEAT & WHITE<br>NOISE        | ( ) MA ( ) MI ( O ) | POP NOISE<br>(12.5 13.5 14.5 15.5V) | ( ) MA ( ) MI ( O )              |

|  |                               |
|--|-------------------------------|
| OPEN CHECK (E/C, SILCON & BOND SOLDER, WORKMAN SHIP)                       | ( O ) GOOD ( ) NO GOOD        |
| Coherency of Signal Phase of R-Ch Input & Output                           | ( O ) GOOD ( ) NO GOOD        |
| HIGH INPUT hequency test / A BEX TEST CD TCD - 784 track # CHECK (THD 10%) | ( ) GOOD ( ) NO GOOD ( O ) N/ |

| TEST POINT                | UNIT      | NORM           | LIMIT | FRONT    |          | REAR  |       | SUB   |       | RATED<br>CURRENT |
|---------------------------|-----------|----------------|-------|----------|----------|-------|-------|-------|-------|------------------|
|                           |           |                |       | 1R-CH    | 2L-CH    | 3R-CH | 4L-CH | 5R-CH | 6L-CH |                  |
| DC OFFSET VOLTAGE         | mV        |                | 100 ↓ | 4.8      | 8.9      | 27    | 0.9   |       |       |                  |
| V/R MAX S/N<br>RATIO      | 80 kHz LP | dB             |       | 85       | 82       | 84    | 86    |       |       |                  |
|                           | A-WEIGH   | dB             | 85 ↑  | 92       | 96       | 91    | 91    |       |       |                  |
| 4Ω THD RATED<br>POWER     | 80 kHz LP | %              | 0.2 ↓ | 0.035    | 0.032    | 0.031 | 0.041 |       |       |                  |
|                           | A-WEIGH   | %              | 0.2 ↓ | 0.022    | 0.02     | 0.016 | 0.016 |       |       |                  |
| 4Ω RATED POWER            | W         |                |       | 90       | 90       | 89    | 88    |       |       | 43.1 A           |
| V/R MIN S/N<br>RATIO      | 80 kHz LP | dB             |       | 64       | 57       | 62    | 61    |       |       |                  |
|                           | A-WEIGH   | dB             |       | 70       | 65       | 68    | 65    |       |       |                  |
| 4 Ω THD 1W                | 80 kHz LP | %              | 0.5 ↓ | 0.105    | 0.112    | 0.093 | 0.1   |       |       |                  |
|                           | A-WEIGH   | %              | 0.3 ↓ | 0.05     | 0.05     | 0.043 | 0.041 |       |       |                  |
| INPUT<br>SENSITIVITY      | MAX       | mV             | ± 20% | 200      | 199      | 198   |       |       |       |                  |
|                           | MIN       | V              | ± 20% | 7        | 6.5      | 7.5   |       |       |       |                  |
| DAMPING FACTOR            | N/A       |                | 100 ↑ | 238      | 318      | 271   | 270   |       |       |                  |
| SEPARATION                | dB        |                | 45 ↑  | 64       | 55       | 63    | 59    |       |       |                  |
| FREQUENCY<br>RESPONSE     | -1 dB     | kHz            | 20 ↑  | 27       | 30       | 28    | 30    |       |       |                  |
|                           | -3 dB     | kHz            | 30 ↑  | 49       | 52       | 50    | 52    |       |       |                  |
| CHANNEL BALANCE           | dB        |                | 1 ↓   | 0.13     | 0.05     |       |       |       |       |                  |
| HPF (-3dB)                | Hz        | 50 ~ 250 ± 20% |       | 47 ~ 244 | 46 ~ 239 |       |       |       |       |                  |
| LPF (-3dB)                | Hz        | 50 ~ 250 ± 20% |       | 41 ~ 233 | 42 ~ 227 |       |       |       |       |                  |
| LPF/BASS BOOST            | dB        | N/A            |       | N/A      | N/A      |       |       |       |       |                  |
| SUB SONIC FILTER          | Hz        | N/A            |       | N/A      | N/A      |       |       |       |       |                  |
| 2Ω ST THD<br>RATED POWER  | 80 kHz LP | %              |       | 0.189    | 0.073    | 0.171 | 0.14  |       |       |                  |
|                           | A-WEIGH   | %              |       | 0.2      | 0.038    | 0.185 | 0.129 |       |       |                  |
| 2Ω ST RATED POWER         | W         |                | 130 ↑ | 153      | 169      | 150   | 149   |       |       | 66.5 A           |
| 4Ω BRG THD<br>RATED POWER | 80 kHz LP | %              |       | 0.143    | 0.131    |       |       |       |       |                  |
|                           | A-WEIGH   | %              |       | 0.121    | 0.124    |       |       |       |       |                  |
| 4Ω BRG RATED POWER        | W         |                | 225 ↑ | 278      | 275      |       |       |       |       | 73.5 A           |
| 1Ω ST THD<br>RATED POWER  | 80 kHz LP | %              |       |          |          |       |       |       |       |                  |
|                           | A-WEIGH   | %              |       |          |          |       |       |       |       |                  |
| 1Ω ST RATED POWER         | W         |                |       |          |          |       |       |       |       | A                |

|                         |                                    |
|-------------------------|------------------------------------|
| ☞Open Point             | <b>RESULT</b><br><br><b>ACCEPT</b> |
| ☞Reason                 |                                    |
| ☞Measures               |                                    |
| ☞Complementary measures |                                    |