

# HIGHER POWER AFD AMPLIFIERS

| MODEL NUMBER                               | FREQUENCY RANGE | GAIN (dB Min.) | GAIN FLATNESS (dB Max.) | NOISE FIGURE (dB Max.) | VSWR INPUT (Max.) | VSWR OUTPUT (Max.) | OUTPUT POWER % 1 dB COMP (dBm Min.) | NOM. DC POWER (+15 V mA) |
|--|-----------------|----------------|-------------------------|------------------------|-------------------|--------------------|-------------------------------------|--------------------------|
|  | (GHz)           |                |                         |                        |                   |                    |                                     |                          |
| <b>HIGHER POWER AFD AMPLIFIERS (CONT.)</b> |                 |                |                         |                        |                   |                    |                                     |                          |
| AFD7-080160-15P                            | 8-16            | 33             | ± 1.75                  | 8.0                    | 2.0:1             | 2.0:1              | 15                                  | 440                      |
| AFD7-080160-20P                            | 8-16            | 31             | ± 2.00                  | 8.0                    | 2.0:1             | 2.0:1              | 20                                  | 440                      |
| AFD8-080160-15P                            | 8-16            | 37             | ± 2.50                  | 8.0                    | 2.0:1             | 2.0:1              | 15                                  | 500                      |
| AFD8-080160-20P                            | 8-16            | 36             | ± 2.50                  | 8.0                    | 2.0:1             | 2.0:1              | 20                                  | 500                      |
| AFD9-080160-15P                            | 8-16            | 41             | ± 2.50                  | 8.0                    | 2.0:1             | 2.0:1              | 15                                  | 560                      |
| AFD9-080160-20P                            | 8-16            | 40             | ± 2.50                  | 8.0                    | 2.0:1             | 2.0:1              | 20                                  | 560                      |
| AFD10-080160-15P                           | 8-16            | 46             | ± 2.75                  | 8.0                    | 2.0:1             | 2.0:1              | 15                                  | 620                      |
| AFD10-080160-20P                           | 8-16            | 45             | ± 2.75                  | 8.0                    | 2.0:1             | 2.0:1              | 20                                  | 620                      |
| AFD2-080180-15P                            | 8-18            | 8              | ± 1.50                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 150                      |
| AFD2-080180-17P                            | 8-18            | 8              | ± 1.50                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 175                      |
| AFD2-080180-20P                            | 8-18            | 7              | ± 1.50                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 200                      |
| AFD3-080180-15P                            | 8-18            | 12             | ± 1.50                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 200                      |
| AFD3-080180-17P                            | 8-18            | 12             | ± 1.50                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 225                      |
| AFD3-080180-20P                            | 8-18            | 11             | ± 1.50                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 250                      |
| AFD4-080180-15P                            | 8-18            | 16             | ± 1.50                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 250                      |
| AFD4-080180-17P                            | 8-18            | 16             | ± 1.50                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 275                      |
| AFD4-080180-20P                            | 8-18            | 15             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 300                      |
| AFD5-080180-15P                            | 8-18            | 20             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 300                      |
| AFD5-080180-17P                            | 8-18            | 20             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 325                      |
| AFD5-080180-20P                            | 8-18            | 19             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 350                      |
| AFD6-080180-15P                            | 8-18            | 24             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 350                      |
| AFD6-080180-17P                            | 8-18            | 24             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 375                      |
| AFD6-080180-20P                            | 8-18            | 23             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 400                      |
| AFD7-080180-15P                            | 8-18            | 28             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 400                      |
| AFD7-080180-17P                            | 8-18            | 28             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 425                      |
| AFD7-080180-20P                            | 8-18            | 27             | ± 2.50                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 450                      |
| AFD8-080180-15P                            | 8-18            | 32             | ± 2.50                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 450                      |
| AFD8-080180-17P                            | 8-18            | 32             | ± 2.50                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 475                      |
| AFD8-080180-20P                            | 8-18            | 31             | ± 2.50                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 500                      |
| AFD9-080180-20P                            | 8-18            | 36             | ± 2.75                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 570                      |
| AFD10-080180-20P                           | 8-18            | 40             | ± 2.75                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 600                      |
| AFD2-060180-15P                            | 6-18            | 8              | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 150                      |
| AFD2-060180-17P                            | 6-18            | 8              | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 175                      |
| AFD2-060180-20P                            | 6-18            | 7              | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 200                      |
| AFD3-060180-15P                            | 6-18            | 12             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 200                      |
| AFD3-060180-17P                            | 6-18            | 12             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 225                      |
| AFD3-060180-20P                            | 6-18            | 11             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 250                      |
| AFD4-060180-15P                            | 6-18            | 16             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 250                      |
| AFD4-060180-17P                            | 6-18            | 16             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 275                      |
| AFD4-060180-20P                            | 6-18            | 15             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 300                      |
| AFD5-060180-15P                            | 6-18            | 20             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 300                      |
| AFD5-060180-17P                            | 6-18            | 20             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 325                      |
| AFD5-060180-20P                            | 6-18            | 19             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 350                      |
| AFD6-060180-15P                            | 6-18            | 24             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 350                      |
| AFD6-060180-17P                            | 6-18            | 24             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 375                      |
| AFD6-060180-20P                            | 6-18            | 23             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 400                      |
| AFD7-060180-15P                            | 6-18            | 28             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 425                      |
| AFD7-060180-17P                            | 6-18            | 28             | ± 2.00                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 450                      |
| AFD7-060180-20P                            | 6-18            | 27             | ± 2.50                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 450                      |
| AFD8-060180-15P                            | 6-18            | 32             | ± 2.50                  | 9.0                    | 2.0:1             | 2.0:1              | 15                                  | 475                      |
| AFD8-060180-17P                            | 6-18            | 32             | ± 2.75                  | 9.0                    | 2.0:1             | 2.0:1              | 17                                  | 475                      |
| AFD8-060180-20P                            | 6-18            | 31             | ± 2.75                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 500                      |
| AFD9-060180-20P                            | 6-18            | 36             | ± 2.75                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 570                      |
| AFD10-060180-20P                           | 6-18            | 40             | ± 2.75                  | 9.0                    | 2.0:1             | 2.0:1              | 20                                  | 650                      |
| AFD2-020180-17P                            | 2-18            | 18             | ± 2.50                  | 5.0                    | 2.5:1             | 2.5:1              | 17                                  | 300                      |
| AFD2-020180-20P                            | 2-18            | 14             | ± 2.50                  | 8.5                    | 2.5:1             | 2.5:1              | 20                                  | 300                      |
| AFD3-020180-17P                            | 2-18            | 23             | ± 2.50                  | 5.0                    | 2.5:1             | 2.5:1              | 17                                  | 350                      |
| AFD3-020180-17P-1                          | 2-18            | 28             | ± 2.50                  | 5.0                    | 2.5:1             | 2.5:1              | 17                                  | 400                      |
| AFD3-020180-17P-2                          | 2-18            | 33             | ± 2.50                  | 5.0                    | 2.5:1             | 2.5:1              | 17                                  | 450                      |
| AFD3-020180-17P-3                          | 2-18            | 38             | ± 2.75                  | 5.0                    | 2.5:1             | 2.5:1              | 17                                  | 500                      |
| AFD3-020180-20P                            | 2-18            | 20             | ± 2.50                  | 8.5                    | 2.5:1             | 2.5:1              | 20                                  | 350                      |
| AFD3-020180-23P                            | 2-18            | 24             | ± 3.00                  | 8.5                    | 2.5:1             | 2.5:1              | 23                                  | 700                      |
| AFD3-020180-23P-1                          | 2-18            | 28             | ± 3.00                  | 8.5                    | 2.5:1             | 2.5:1              | 23                                  | 750                      |
| AFD3-020180-23P-2                          | 2-18            | 34             | ± 3.00                  | 8.5                    | 2.5:1             | 2.5:1              | 23                                  | 800                      |