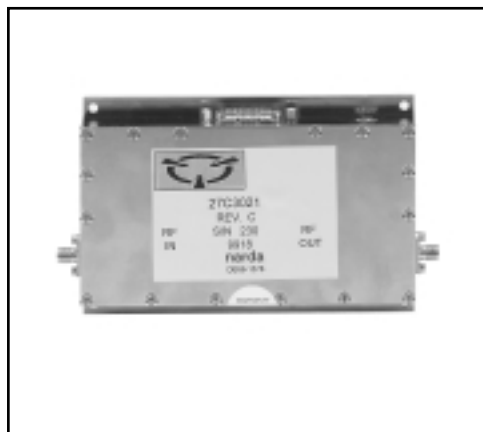


Special Function Band Amplifiers

MULTI-FUNCTION
AMPLIFIERS

SPECIFICATIONS

| MODEL NUMBER | FREQUENCY RANGE (GHz) | GAIN MIN (dB) | NOISE FIGURE MAX (dB) | P1dB MIN (dBm) | GAIN FLATNESS MAX (\pm dB) | IP3 TYP (dBm) | VSWR 50 OHMS I/O TYP | CURRENT @ 12 Vdc MAX (mA) | ATTENUATOR RANGE MIN (Db) | CASE OPTIONS |
|--------------|-----------------------|---------------|-----------------------|----------------|-------------------------------|---------------|----------------------|---------------------------|---------------------------|--------------|
| DMF-5864N911 | 5.85-6.42 | 27-29 | 6.0** | 11** | 0.5 | 25 | 1.3/1.3 | 500 | 33 | 1MF |
| DMF-5864N923 | 5.85-6.42 | 35-37 | 5.0** | 23** | 0.5 | 30 | 1.3/1.3 | 800 | 33 | 1MF |
| DMF-7884N918 | 7.85-8.45 | 47-50 | 5.0** | 18** | 0.5 | 30 | 1.3/1.3 | 500 | 33 | 1MF |
| DMF-1214N918 | 12.25-14.5 | 26-29 | 5.0** | 18** | 0.5 | 30 | 1.3/1.3 | 600 | 33 | 1MF |
| DMF-1617N918 | 16.6-17.7 | 29-32 | 5.0** | 18** | 0.5 | 30 | 1.3/1.3 | 600 | 33 | 1MF |
| DMF-1618N918 | 17.3-18.4 | 29-32 | 5.0** | 18** | 0.5 | 30 | 1.3/1.3 | 600 | 33 | 1MF |

All above-mentioned amplifiers include the following: Internal voltage regulator with input voltage of +11.5 Vdc to +15.5 Vdc. TTL power switch. Output power monitor. Gain control (0-10V adjust.) Linearized attenuator (± 2.0 db OT.) Temperature compensation over -20 to +80°C. Maximum RF input power is 20 dBm (CW) or 30 dBm pulse, 1 microsecond and 1% duty cycle.

** P1dB and NF specs are guaranteed at zero (0) attenuation only.

OUTLINE DRAWING

- NOTES:
 1. ALL DIMENSIONS ARE IN INCHES.
 2. TOLERANCE: .XX = $\pm .02$
 .XXX = $\pm .010$
 3. ALL TOLERANCES APPLY BEFORE PAINT & LABELING.
 4. RF CONNECTORS ARE SMA FEMALE.

