

## Radio Link Amplifiers

# MILLIMETER-WAVE POWER AMPLIFIERS



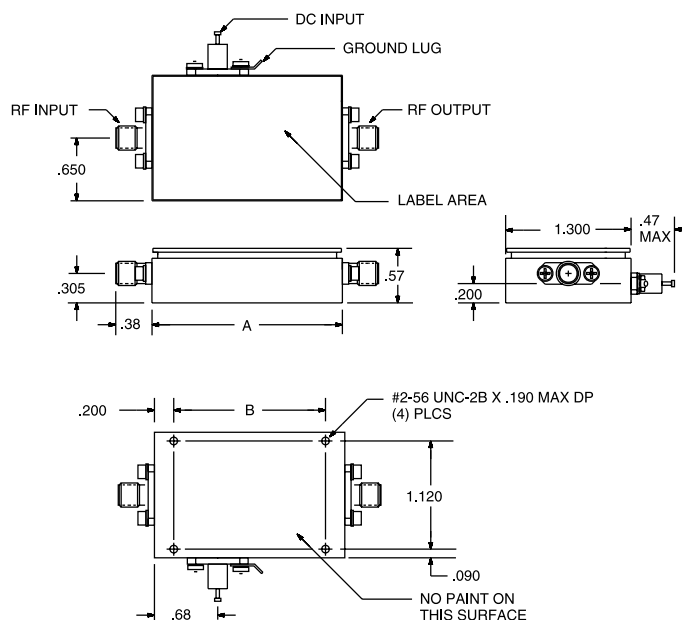
## SPECIFICATIONS

| 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) | CASE OPTIONS |
|--------------|-----------------------|---------------|-----------------------|----------------|-------------------------------|---------------|----------------------|---------------------------|--------------|
| DBP-1826N630 | 18.0-26.0             | 28            | 6.0                   | 30             | 2.0                           | 40            | 2.2/2.2              | 2500                      | DBK-6P       |
| DBP-2631N630 | 26.0-31.5**           | 30            | 6.5                   | 30             | 1.5                           | 40            | 2.2/2.2              | 2500                      | DBK-6P       |
| DBP-3740N624 | 37.0-40.0**           | 30            | 6.0                   | 24             | 1.5                           | 34            | 2.2/2.2              | 1800                      | DBK-6P       |
| DBP-3740N627 | 37.0-40.0**           | 30            | 6.0                   | 27             | 1.5                           | N/A           | 2.2/2.2              | 2500                      | DBK-6P       |
| DBP-2640N621 | 26.0-40.0             | 28            | 6.5                   | 21             | 2.5                           | 31            | 2.2/2.2              | 2000                      | DBK-6P       |

All above-mentioned amplifiers include the following: Internal voltage internal regulator with input voltage of +11.8 Vdc to +15.5 Vdc. Maximum RF input power is 20 dBm (CW) or 30 dBm pulse, 1 microsecond and 1% duty cycle.

\*\*Over any 500 MHz bandwidth.

## OUTLINE DRAWING



| CASE   | A DIM | B DIM |
|--------|-------|-------|
| DBK-6P | 1.973 | 1.573 |
| DBK-8P | 2.371 | 1.971 |

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