

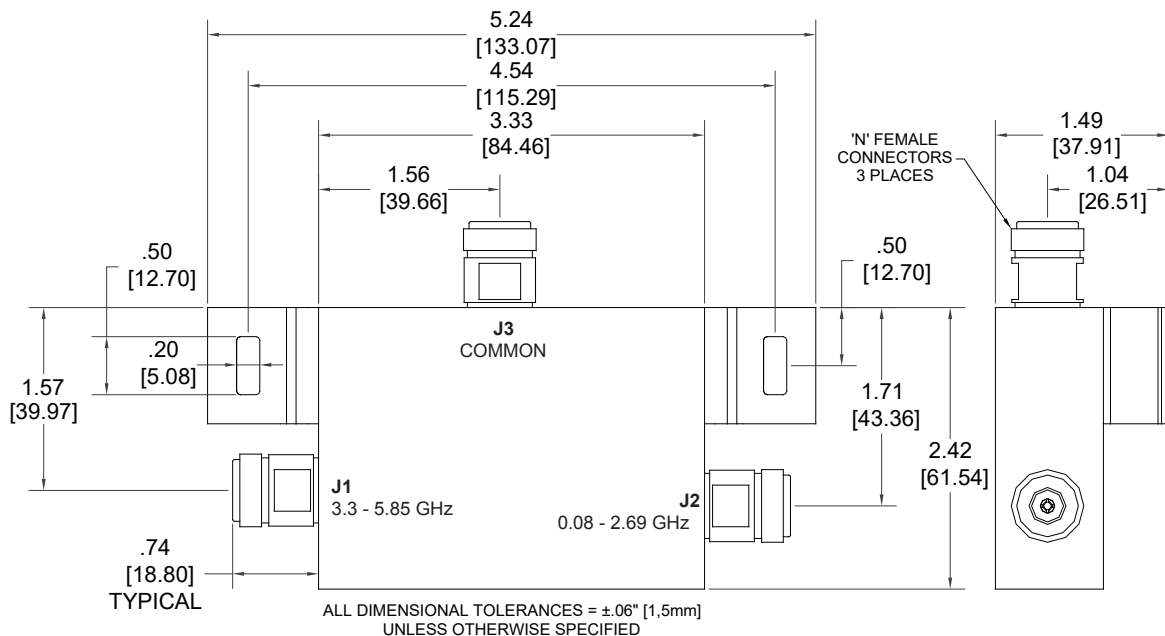
- ◆ Combines 5 GHz W-LAN & WiMax to other DAS services
- ◆ Meets European Rail Standards EN50155:2007 (Class T3)
- ◆ 50 dB Input Isolation
- ◆ 50 W Through Power
- ◆ Low Passive IM., PIM
- ◆ Minimal RF Insertion Loss
- ◆ Rugged, High Reliability Design
- ◆ RoHS Compliant
- ◆ N connector



BK-26N 3 GHz Diplexer allows efficient combining of WiMAX and 5 GHz W-LAN designed to 802.11(a) and similar systems, with a coaxial distributed in-building cellular network or DAS. The unit has an extremely broad frequency range with minimal loss for maximum flexibility. This can provide the benefit of the same controlled coverage of the higher frequency services with the DAS.

The Diplexer has been designed to be small and lightweight, using passive, proprietary techniques to ensure minimal loss and very high reliability. A simple bracket and tapped holes are provided for simple mounting to a surface or cable tray.

|                       |   |
|-----------------------|---|
| Passband J1 to J3:    | 3,300 to above 5,850 MHz  |
| Passband J2 to J3:    | below 80 to 2,690 MHz   |
| J1 to J2 Isolation:   | >50dB in band except near cross over<br>>47dB 2680-2690 & 3300-3330 MHz |
| VSWR, all ports:      | <1.3:1  |
| Passband Loss:        | 0.2 dB typ., 0.8 dB max.  |
| J2-J3 Power Rating:   | 50W avg. max., DC of <1A  |
| J1-J3 Power Rating:   | 5W avg. max., no DC path  |
| Impedance:            | 50Ω nominal   |
| Intermod. Distortion: | <-150 dBc<br>(test with 2 x +43 dBm tones)                              |
| Environment:          | -40° - +80°C, IP64 (IP67 to order)                                      |
| Applications:         | Indoor  |
| Finish: N Connectors: | Triplate  |
| Housing:              | Aluminum, finish conversion coating                                     |
| Weight, nominal:      | 13.2 oz (370 g)   |



Note: Specifications are subject to change without prior notification.

16APR2018