

- ◆ Combines 5 GHz W-LAN & WiMax to other DAS services
- ◆ Meets European Rail Standards EN50155: 2001
- ◆ 50 dB Input Isolation
- ◆ 50 W Through Power
- ◆ Low Passive IM., PIM
- ◆ Minimal RF Insertion Loss
- ◆ Rugged, High Reliability Design
- ◆ N connectors standard



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 >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 (test with 2 x +43 dBm tones)
Environment:	-40° - +80°C, IP64 (IP67 to order)
Applications:	Indoor
Finish: N Connectors:	Triplate
Housing:	RoHS conversion process
Weight, nominal:	13.2 oz (370 g)

