

- ◆ Combines 5 GHz W-LAN/WiMAX & to 2.4 & 3.5 GHz DAS services
- ◆ 50 dB Input Isolation
- ◆ 40W Through Power
- ◆ Minimal RF Insertion Loss
- ◆ Rugged, High Reliability Design
- ◆ Low Passive IM., PIM
- ◆ Low Cost Design
- ◆ N connectors standard



BK-28N 3.5/5.5 GHz Diplexer is a compact unit that allows efficient combining of signals in the 2.4 WiFi to 3.5 GHz WiMAX band with 5.8 GHz W-LAN designed to 802.11(a/n). The unit has 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. The unit is available with SMA connectors to special order. (01/13)

Passband J1 to J3:	5,150 - 5,850 MHz
Passband J2 to J3:	below 2400 to 3,800 MHz
J1 to J2 Isolation:	>45dB in band
VSWR, all ports:	<1.3:1
Passband Loss:	0.25 dB typ., 0.5 dB max.
J2-J3 Power Rating:	20W avg. max., DC of <1A
J1-J3 Power Rating:	20W avg. max., DC of <1A
Impedance:	50Ω nominal
Intermod. Distortion:	<-150 dBc (test with 2 x +43 dBm tones)
Environment:	0° - +55°C, IP64 Indoor Paint for Outdoor/IP67 to order
Finish: N Connectors:	Triplate
Housing:	RoHS conversion process
Size less feet & connectors:	3.5 x 3.5 x 0.8 inches nom.
Weight, nominal:	13 oz (365 g)

