



In-line Diplexer Filters, BK-261

All standard DAS bands/CBRS & LTE-LAA
80 - 2690 / 3300 - 5925 MHz
Rev. C

- ◆ Combines CBRS & LTE-LAA bands to other Wireless service bands
- ◆ 50 dB Input Isolation
- ◆ 50 W Through Power
- ◆ Low Passive IM., PIM
- ◆ Minimal RF Insertion Loss
- ◆ Rugged, High Reliability Design
- ◆ In-line 4.3-10 & N type connectors



BK-261E

BK-261 In-line Diplexer allows efficient combining of CBRS and LTE-LAA bands 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.

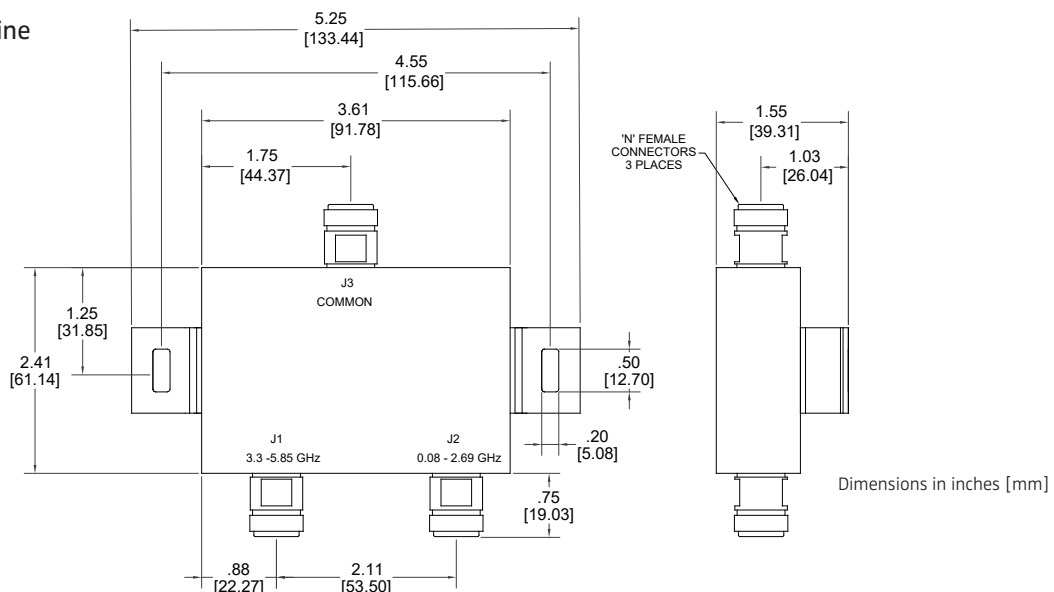
The Diplexer has been designed to be small and lightweight, using passive, proprietary techniques to ensure minimal loss and very high reliability. A simple bracket and tapped holes are provided for simple mounting to a surface or cable tray.

Passband J1 to J3:	3,300 to above 5,925 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
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
PIM:	<-161 dBc (-118 dBm) (test with 2 x +43dBm tones)
Environment:	-40° to +80°C
Housing Finish*:	Passivated Aluminum, IP64
Connectors:	Triplate

* BK-261EP is IP67 Outdoor Rated Version

Model Number/Connector	VSWR	Impedance	Group Delay	Weight. nom.	
4.3-10(f)	N Type(f)	all ports	max.	oz (g)	
BK-261E	BK-261N	<1.3:1	50Ω	2.25 ns	12.8 (363)
BK-261EP	-	<1.3:1	50Ω	2.25 ns	12.8 (363)

BK-261N Outline



Note: Specifications are subject to change without prior notification.

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