

- ◆ Ultra-wide band for 5G NR-U
- ◆ DC blocking capacitor in series with both center and outer conductors
- ◆ Guaranteed low PIM
- ◆ Minimal RF insertion Loss
- ◆ 3 kV High Voltage Rating
- ◆ IP67 Rated
- ◆ RoHS compliant
- ◆ 4.3-10 connectors

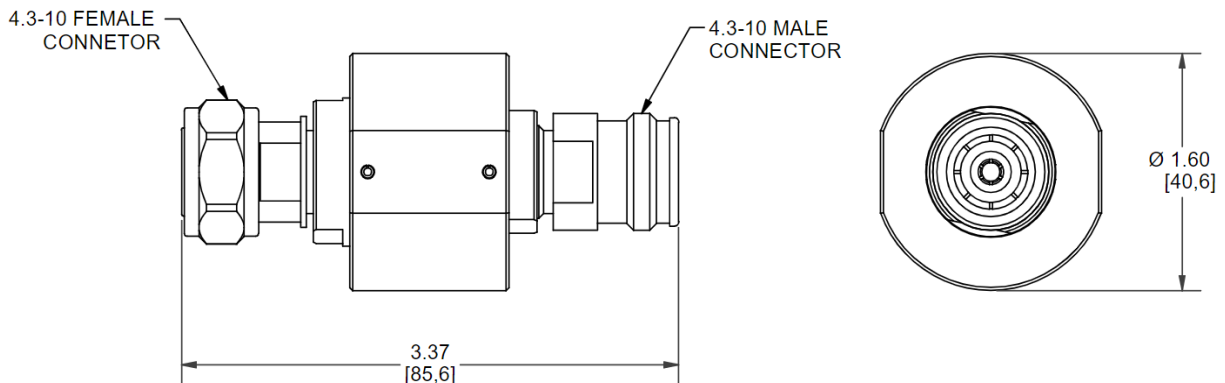


Microlab HR-29E DC Block prevents the flow of direct current and low-frequency current surges along the inner and outer conductor of a coaxial cable while allowing the flow of RF signals. Applications include the blocking of current ripples in subway tunnels and antenna sites during lightning storms. The ultra-wide frequency range allows use in 5G NR-U deployments with multiband antennas. The unit consists of a coaxial line with a series capacitor in both the center and outer conductor to block the flow of DC and low frequencies while passing RF with negligible loss or reflections.

Frequency: 250 - 5925 MHz  
 Block: Inner and Outer  
 Power: 500 W avg., 10 kW pk.  
 Breakdown Voltage: 3 kV max. DC (Inner & Outer)  
 Impedance: 50 Ω nom.  
 PIM: -161 dBc (-118 dBm) min.  
 (Test with 2x +43 dBm tones @ ambient)  
 Environment: -35°C to +75°C, IP67  
 Connectors: Triplate, 4.3-10(m-f)  
 Weight: 4.8 oz. (136 g)  
 Dimensions: 3.37 x 1.60 in  
 [85.6 x 40.6 mm]

Frequency Band (MHz)	250-380	380-617	617-960	960-2700	3100-4200	4200-5600	5600-5925
Return Loss (dB)	>10	>13	>17	>20	>19	>17	>13
Insertion Loss (dB)	<0.5	<0.3		<0.2		<0.25	<0.4

### Outline



Dimensions in inches [mm]

Note: Specifications are subject to change without prior notification.

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