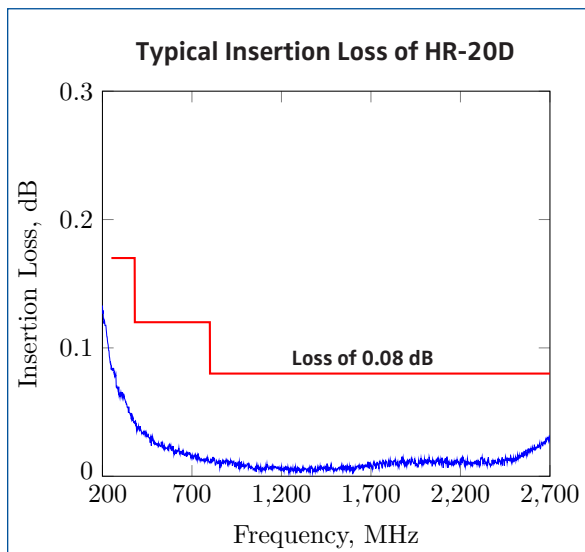


- ◆ Multi-Band Coverage
- ◆ 500 W Avg. Power Rating
- ◆ 3 kV High Voltage Rating
- ◆ Minimal RF Insertion Loss
- ◆ Very Low Passive IM
- ◆ RoHS compliant
- ◆ High Reliability
- ◆ N or 7-16 mm DIN connectors



The Microlab HR-20 series DC Blocks are used to prevent the flow of direct current and low frequency current surges along the inner conductor of a transmission line, while permitting the unimpeded flow of RF signals. Applications include the blocking of current surges in subway tunnels, at antenna sites during lightning storms and to route DC to tower mounted amplifiers.

The unit consists of a length of coaxial line with a distributed series capacitor in the center conductor to block the flow of DC and low frequencies, while passing RF with negligible loss or reflections.



Block:	Inner conductor only		
Frequency, MHz:	250-380*	380-800	800-2700
VSWR, max:	1.50:1	1.30:1	1.20:1
Insertion Loss, dB:	<0.17	<0.12	<0.08
Power Rating:	500 W avg., 10 kW pk.		
Breakdown Voltage:	3 kV max. DC		
Impedance:	50Ω nominal		
PIM (Intermod):	-164 dBc typical, <-160 dBc guarantee (2 tones at +43 dBm)		
Environment:	-35°C to +75°C, IP65		
Finish:	Passivated aluminum		
Connector Finish:	Silver or triplate, (m & f)		
Connectors/Max. Torque:	7-16 (m-f) /30 Nm, 22.1 f-p		
<b>HR-20D:</b>	7-16 (m-f) /30 Nm, 22.1 f-p		
<b>HR-20FD:</b>	7-16 (f-f) /30 Nm, 22.1 f-p		
<b>HR-20N:</b>	N type/6 Nm, 4.4 f-p		

\* 250-2700 MHz only for HR-20D. HR-20N is 380-2700 MHz

### HR-20N Outline HR-20D Outline

