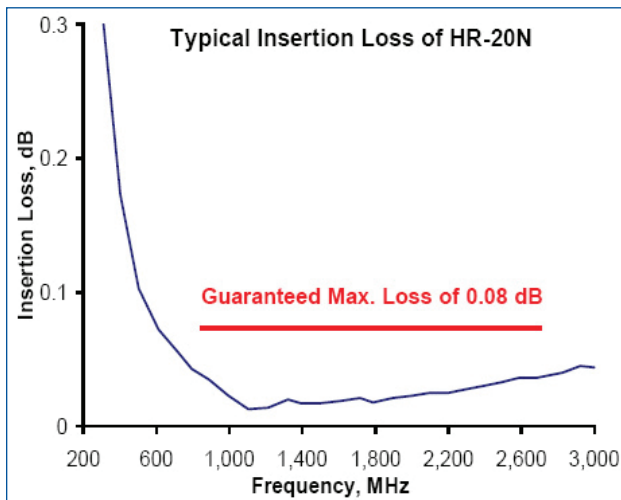


- ◆ Multi-Band Coverage
- ◆ 500 W Avg. Power Rating
- ◆ 3 kV High Voltage Rating
- ◆ Minimal RF Insertion Loss
- ◆ Very Low Passive IM
- ◆ RoHS compliant
- ◆ High Reliability
- ◆ N or 7-16 mm DIN connectors



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. Models also available in TNC, as HR-20T and other connectors to special order. (01/11)



Block:	Inner conductor only	
Frequency, MHz:	380 – 800	800 - 2,700
VSWR, max:	1.30:1	1.20:1
Insertion Loss, dB:	<0.12	<0.08
Power Rating:	500 W avg., 10 kW pk.	
Breakdown Voltage:	3 kV max. DC	
Impedance:	50W nominal	
Intermod. Distortion:	<-150 dBc max. (2 tones of +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	
HR-20D:	7-16 (m-f) /30 Nm, 22.1 f-p	
HR-20FD:	7-16 (f-f) /30 Nm, 22.1 f-p	
HR-20N:	N type/6 Nm, 4.4 f-p	

HR-20N Outline HR-20D Outline

