www.QuantumMicrowave.com

P/N: QMC-CRYOCHOKE-0010 Cryogenic RF Choke

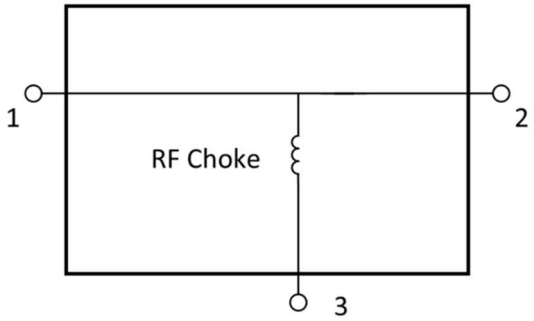
Features

- Non-DC Blocking Bias Tap
- RF Path: 3MHz – 10GHz
- Choke Path: DC – 500kHz
- OFHC Housing, Gold Plated
- Operation to 10mK
- Low Return Loss, -15dB typ., 3 MHz - 10 GHz
- SMA bias connector
- Stackable

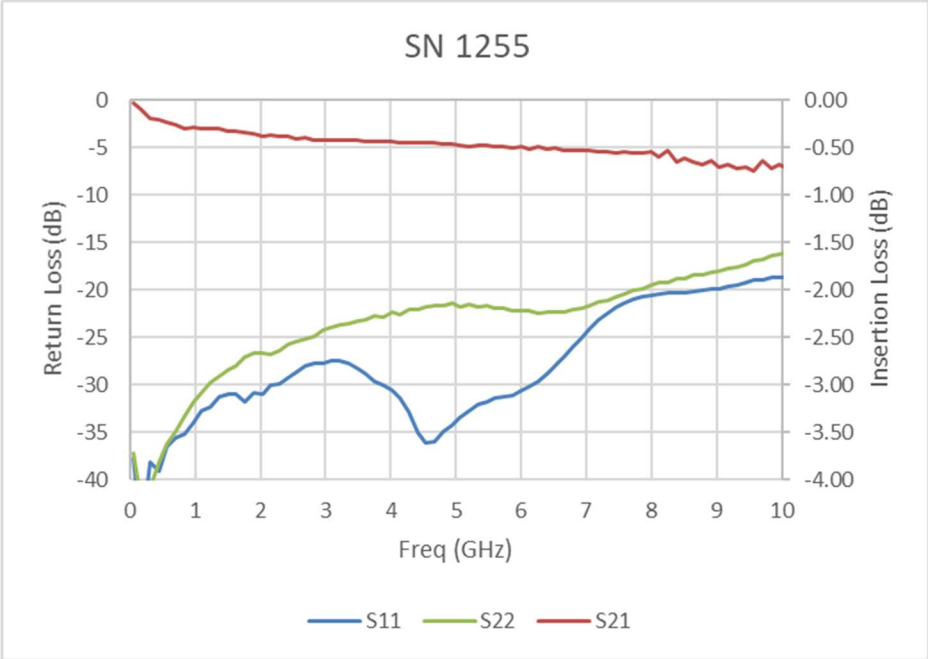


Parameter	Specification	Notes
Frequency Range	RF: 3 MHz - 10 GHz; Port 1 to Port 2 DC: DC – 500 kHz; Port 3 to Ports 1 and 2	See Block Diagram
RF Return Loss	<-15dB typ.	See plot
Connectors	Port 1, RF+DC: SMA (f) Port 2, RF+DC: SMA (m) Port 3, DC: SMA (f)	
Max Voltage	50VDC	
Max Current	600 mA	

Block Diagram



Measured Data 50 Ohms (typical)





Low Freq S11 (yellow) and S21 (blue)

Outline Drawing (inches) [mm]

