MicroHarmonics

MMW ferrite components may not behave well at cryogenic temperatures.

If you have been using room temperature isolators in your cryogenic systems and then wondering why the system performance degrades when cooled, there is a reason. Ferrite properties change at cryogenic temperatures.

Micro Harmonics is working with NASA to develop a line of MMW isolators optimized for cryogenic systems.

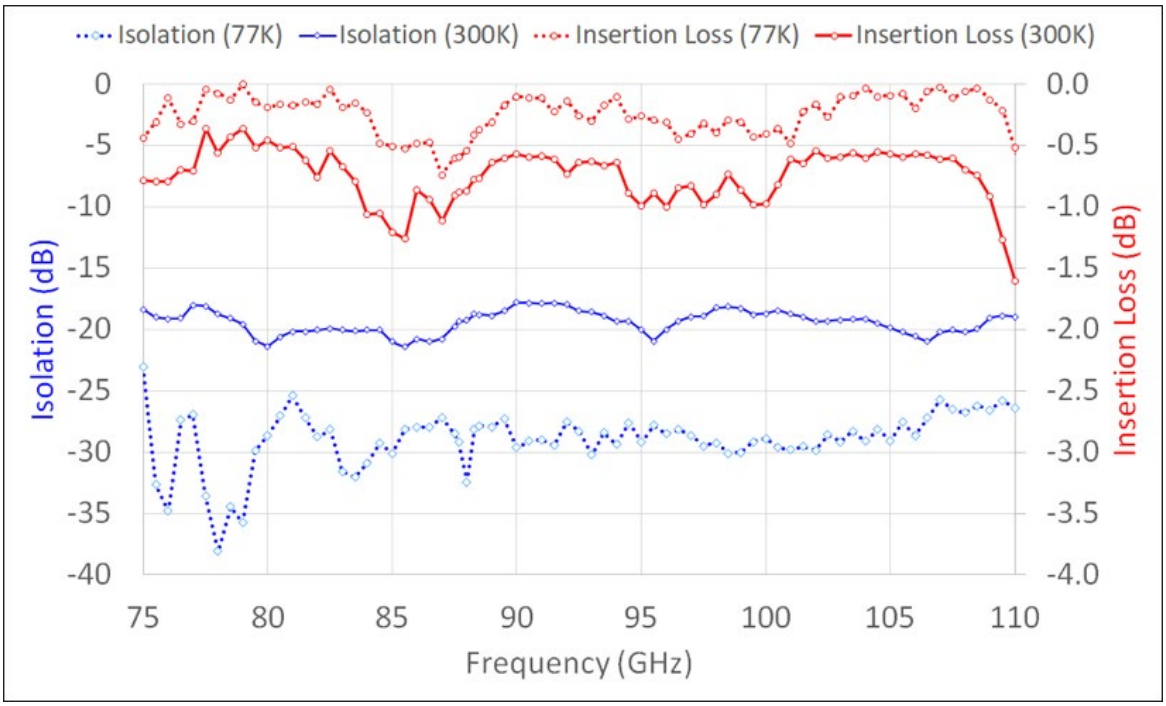
"We tried using regular isolators from one vendor. We cooled them down and assumed they would work, but they weren't behaving right."

Alexander Anferov, GRA

Shuster Lab, University of Chicago

"We can get down to less than 100 Kelvins with commercially available cryo-coolers…Our biggest challenge was finding an isolator that could perform at those temps. Fortunately for us, a company called Micro Harmonics had just designed some specifically for NASA."

Dana Wheeler, CEO, Plymouth Rock Technologies



"Knowing that isolators would now perform in the MMW bands at single-digit Kelvin temperature was good news for us because that was one less component we had to worry about" ***A. Anferov***

Micro Harmonics Corporation 20 S Roanoke St, Ste 202 Fincastle, VA 24090 Phone 540.473.9983 Fax: 844.449.1561 MicroHarmonics.com