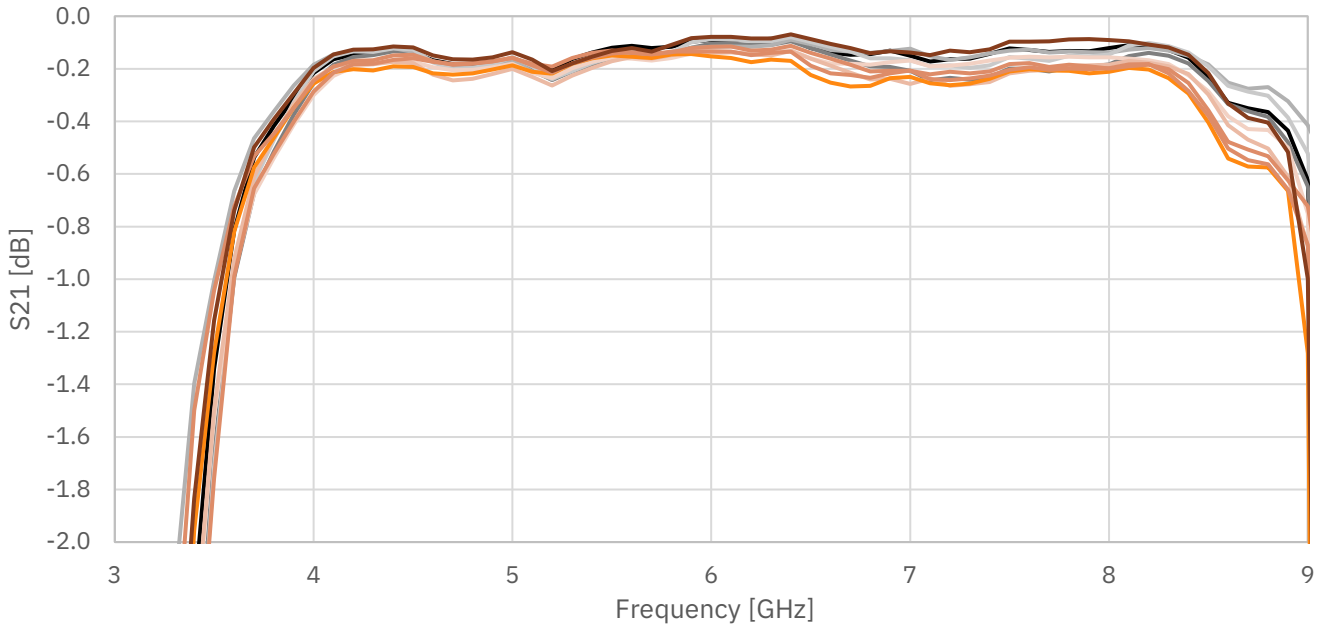


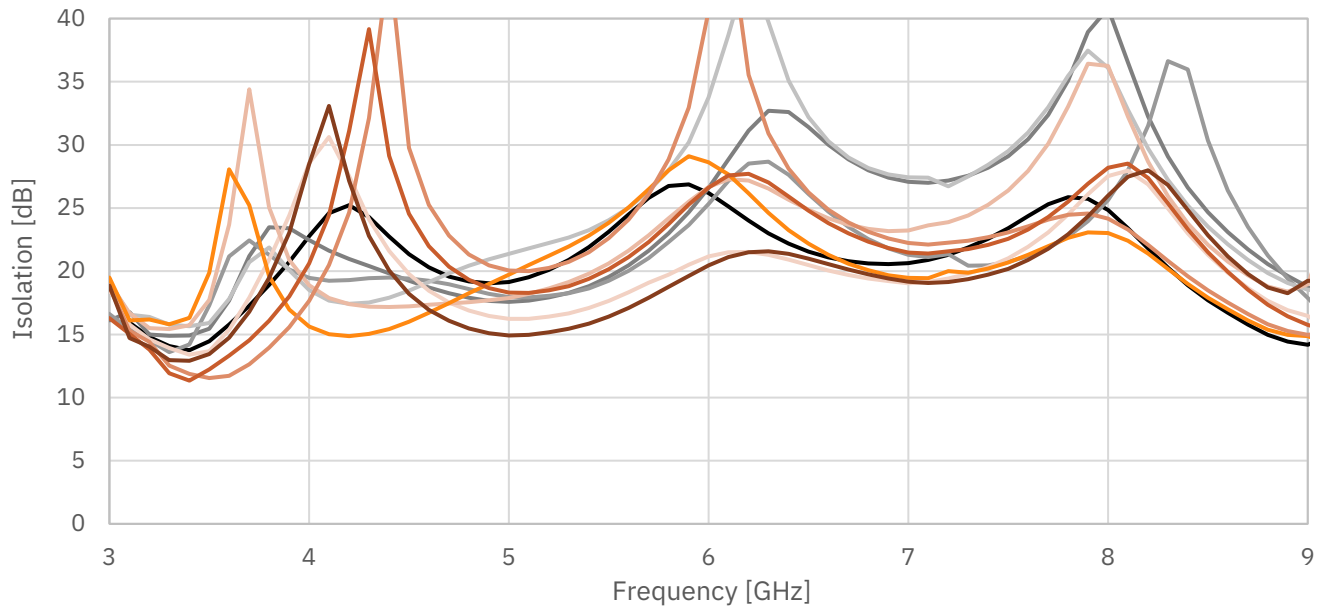
Measured data, $T_{amb} = 5\text{ K}$

Insertion Loss of 10 Units at 5 K



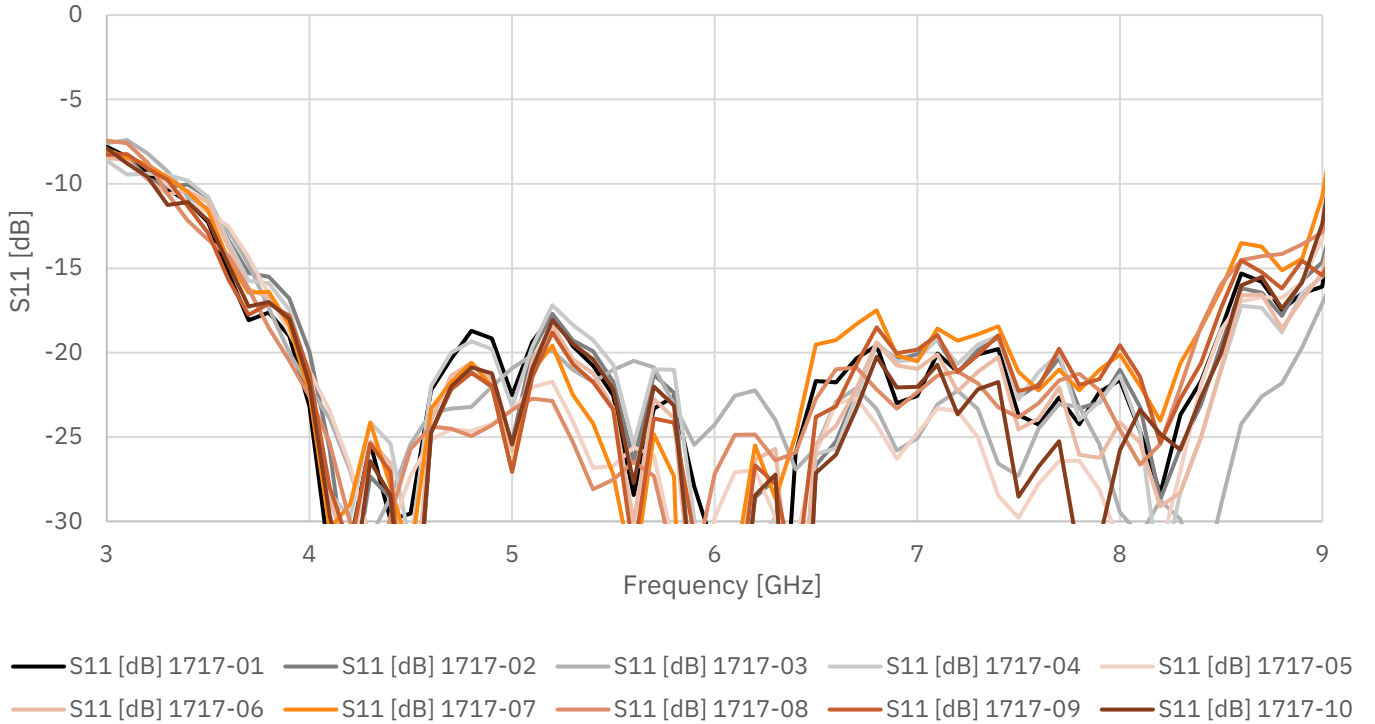
— S21 [dB] 1717-01 — S21 [dB] 1717-02 — S21 [dB] 1717-03 — S21 [dB] 1717-04 — S21 [dB] 1717-05
— S21 [dB] 1717-06 — S21 [dB] 1717-07 — S21 [dB] 1717-08 — S21 [dB] 1717-09 — S21 [dB] 1717-10

Isolation of 10 Units at 5 K

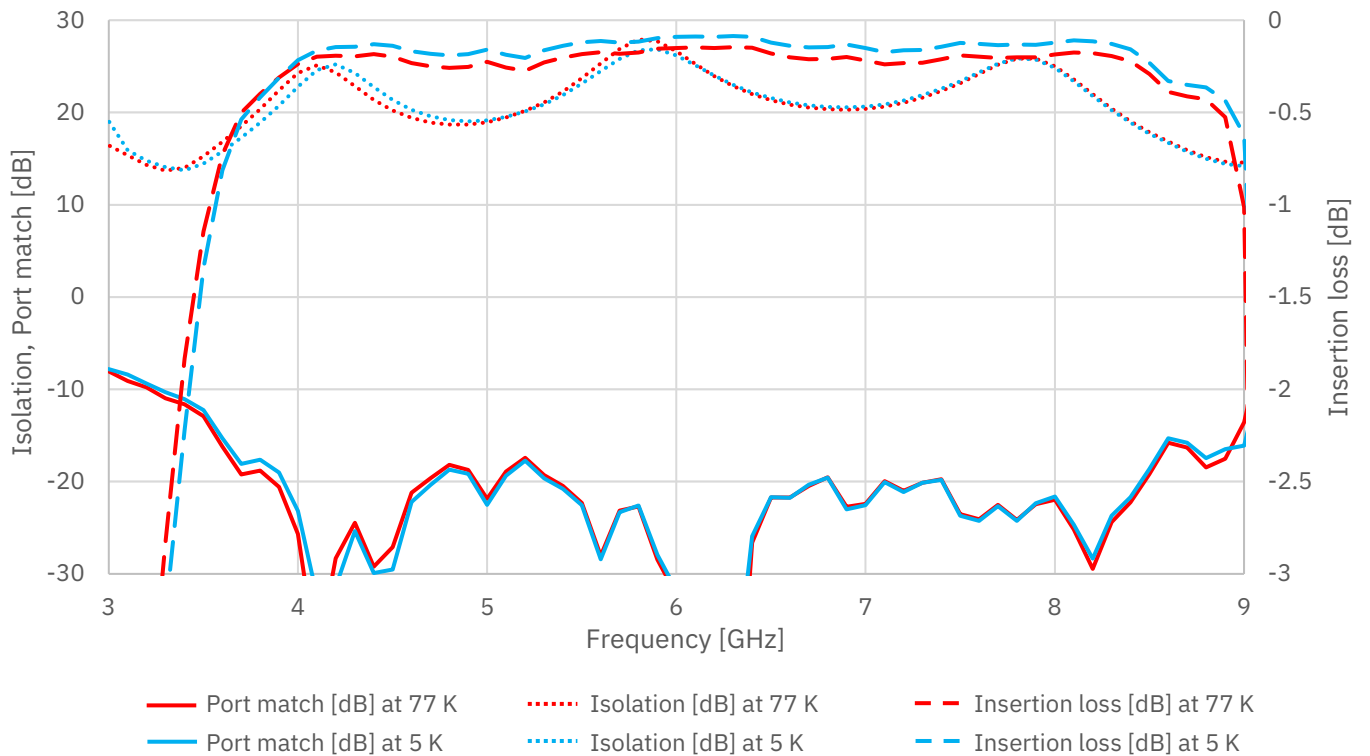


— Isolation [dB] 1717-01 — Isolation [dB] 1717-02 — Isolation [dB] 1717-03 — Isolation [dB] 1717-04
— Isolation [dB] 1717-05 — Isolation [dB] 1717-06 — Isolation [dB] 1717-07 — Isolation [dB] 1717-08
— Isolation [dB] 1717-09 — Isolation [dB] 1717-10

Port Match of 10 Units at 5 K



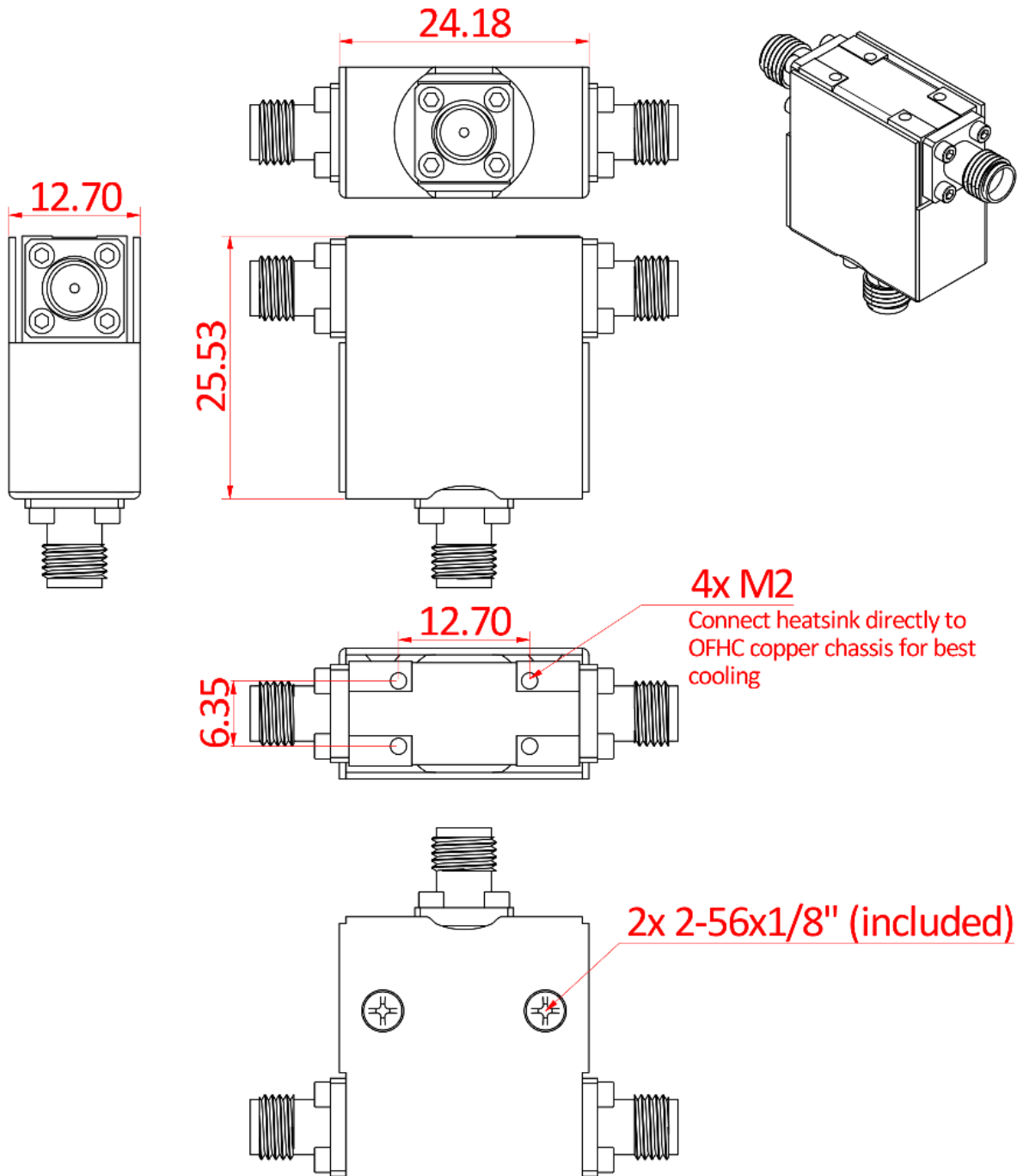
77 K vs 5 K Performance



Insertion loss improves with 0.07 dB when cooled down from 77 K to 5 K.

Dimensions with additional shielding

Units: mm



Date
2022-05-02

Datasheet
LNF-ISC4_8A and LNF-CIC4_8A
4-8 GHz Cryogenic Isolator or Circulator



Array

* Consult with factory for array options.