

AIM Dual Use Cryocoolers for Commercial Applications

Rühlich, I., Mai, M., Rosenhagen, C., Wiedmann, T., Zehner, S.

AIM INFRAROT-MODULE GmbH, Theresienstr. 2, 74072 Heilbronn, Germany

ABSTRACT

To meet the increasing demand for compact cryocoolers for commercial applications, AIM developed the MCC cooler family. A key requirement for such applications is long MTTF life as mostly a 24/7 operation is needed. Further technical solutions have been investigated and implemented in the cooler design to comply with common industrial standards and regulations. Cooler types, technical solutions and performance data will be presented.

KEYWORD LIST

Cryocooler, Stirling, SWaP, HOT, long life