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## **Power Couplers - Technology, manufacturing, and four ways to procure for half the price (15' + 8')**

*Wednesday 5 February 2020 11:00 (23 minutes)*

### **Abstract:**

Power couplers provide the vacuum and thermal interface between the superconducting cavity and the room temperature waveguide components, and transmit microwave power. The production of Power Couplers require a unique set of manufacturing processes. Procurement costs can vary widely for a number of reasons. This paper will show the critical technologies required and the breakdown of major components of cost.

### **Provocative topic:**

Four methods to procure couplers for half the price will be discussed, along with recommendations for cost savings from a manufacturers perspective.

**Presenter:** EINARSON, Steve (CP11)

**Session Classification:** Working Group Session