

Customization Process for Low-Loss High-Return-Loss Adapters in Avionics

When signal attenuation is an important consideration, one has to choose the right type of low loss high-speed material and proper control over trace geometries to minimize signal losses.

In this work, we report on the fabrication and characterization of low-loss Josephson parametric devices operated in the GHz frequency range, showing record internal quality factors.

XFS" proprietary MPO manufacturing process employs the most advanced polishing technology for producing the MPO connectors with the best optical performance in the industry.

These adapters are very important for improving data clarity because they have low insertion loss and excellent performance. Circular waveguide adapters are made to move ...

We hope this article has provided you with a clear understanding of fiber optic adapter loss and effective ways to optimize it. Fiber optic adapters are essential for maintaining high-quality, ...

Our results show that QLoRA finetuning on a small high-quality dataset leads to state-of-the-art results, even when using smaller models than the previous SoTA.

NVIDIA NeMo supports various model customization techniques, including prompt engineering, prompt learning, parameter-efficient fine-tuning (PEFT), and fine-tuning, each with ...

This article discusses how to design and manufacture highly accurate RF PCB transmission lines and connector transitions with excellent return loss that route signals onto and off of the PCB through the ...

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Anritsu's VectorStar™ and ShockLine™ VNA solutions both have SMC capabilities built into the standard software, giving both platforms this valuable enhancement for characterizing low insertion ...

Best practices include employing strong regularization, small learning rates, and limiting the number of training epochs. Additionally, typically only the last layer or a few layers are fine-tuned...

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