

Demand for passive optical components falls short of supply

Overview

The passive components market faces tightening supply amid explosive demand from EVs, AI data centers, and 5G infrastructure. High-cap MLCCs and polymer tantalum capacitors show extended lead times, with shortages projected through Q4 2025 and into 2026. When the semiconductor industry hits turbulence, the spotlight usually falls on processors, memory, or cutting-edge AI chips. But history has shown that the smallest parts in a build—passive components like MLCCs, resistors, and capacitors—can quietly trigger some of the most disruptive supply. Passive components are becoming an early 2026 supply risk. The market is expected to grow from USD 65.4 billion in 2023, at a CAGR of 13.1% during the forecast period according to the latest report published by Global. Passive component shortages are not new—the industry has lived through several boom-bust cycles over the past two decades—but the drivers behind 2026 sourcing pressure look different from previous cycles. Demand from AI server infrastructure, electric vehicles, and renewable energy systems is. The 2017-2018 MLCC shortage taught the industry a painful lesson about how quickly a multi-trillion-unit market for ceramic capacitors can tip into allocation, and how brutal lead-time extensions become when it does. Through 2023 and most of 2024, passive supply was comfortable.



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Passive Optical Components Market Size The Global Passive Optical Components Market was valued at USD 38.87

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Passive Optical Component Market

Passive optical components are non-powered devices that manipulate, direct, or split light signals in fiber optic networks without

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Potential shortfalls in networking optics supply could hinder data center and AI expansion.

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Passive components rarely make industry headlines — until they don't ship. The 2017-2018

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Passive Optical Components Global Passive Optical Components market was valued at USD 9.21 billion in 2024 and

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Passive Optical Components Analysis 2026 and Forecasts 2034:

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Global market analysis and forecast for passive optical components from 2026 to 2035. Explore demand drivers, key sectors,

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The Passive Optical Components market is poised for steady growth from 2026 to 2033, driven by technological

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Why Passive Components Could Trigger the Next Supply Chain

But history has shown that the smallest parts in a build—passive components like MLCCs, resistors, and

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Passive Optical Component Market Opportunity, Growth Drivers,

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Passive Optical Component Market

The Passive Optical Component Market valued at \$18.7 Billion in 2026 is projected to expand to \$41.98 Billion by 2035, advancing at

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This article breaks down what is actually driving 2026 passive component tightness, which categories are most exposed, and the

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Passive Component Sourcing Strategies: How to Avoid Supply Chain

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Passive Optical Component Market Size, Share

The passive optical component market continues to grow at a steady rate driven by next-generation

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Passive Optical Component Market Size & Share 2026-2035

The passive optical component market increased steadily from USD 41.9 billion in 2022 and reached USD 52.5 billion in 2024.

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Passive and Active Optical Component Market Size,

With the ongoing demand for high-performance and energy-efficient optical communication systems, the

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The Q2-Q3 2026 passive components market is currently defined by a severe structural shortage and sweeping price

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