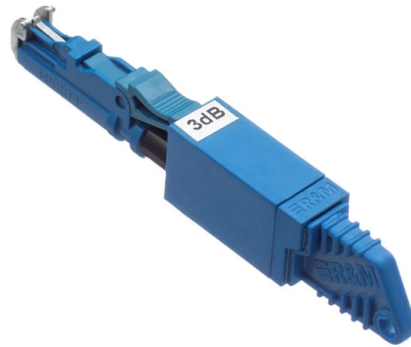


# Aerospace Electronics PLC Splitter Low Temperature Resistance



## Overview

It has compact structure and good stability, and can be installed in various existing transfer boxes without leaving a lot of installation space. ABS plastic shell, with pit impact resistance, heat resistance and low temperature resistance. Low temperature electronics find potential application in many of NASA planetary exploration and deep space missions where extreme temperatures are encountered. Electronics designed for cryogenic temperature operation will improve reliability, increase energy density, and extend the operational. Planar Lightwave Circuit (PLC) Splitters combine a silica glass waveguide process together with precision aligned fiber V-groove arrays to provide a reliable, low cost way to split light from one fiber into many fibers within a very small form factor package. It features a small size, high reliability, wide operating wavelength range, and good channel-to-channel uniformity. They are available as components, in our quick connect cassettes, or in custom modules and rack-mount designs. Space-based infra-red satellites, all-electric ships, jet engines.

## Article Content

Online Research on Reliability of Thermal-Vibration Coupling for PLC ...

Abstract: The working environment of Planar Lightwave Circuit (PLC) optical splitter is complex and diverse. In addition to withstanding the test of environmental temperature changes, the device may ...

PLC Splitter

The Bare PLC Splitter package has a bare fiber input and fiber ribbon output which minimizes the space occupied by the device, making it ideally suited for integration into larger systems that can protect the ...

PLC Splitters Spec Sheet

They perform uniformly over a wide spectral range, with ultra-low losses. PPC splitters are highly compact, reliable and available in very wide range of fiber and connector types. All PPC PLC splitters ...

Electronic Components for Use in Extreme Temperature ...

Research is being conducted on devices, including COTS parts, for potential use under extreme temperatures. These components include semiconductor switching devices, passive devices, DC/DC ...

POLARIZATION MAINTAINING AND SINGLEMODE PLANAR ...

PLC splitters feature low insertion loss, low PDL, high return loss and excellent uniformity over a wide wavelength range, from 1260nm to 1620nm and work in temperature from -40oC to +85oC.

Performance of Various Types of Resistors at Low Temperatures

Several types of low to medium power resistors were selected for evaluation in terms of resistance stability as a function of temperature. These passive devices included metal film, carbon and ceramic ...

Heat Resistance 1X8 Insert Type PLC Splitter Low Temperature ...

Fibconet focus on the fiber optical components, such as PLC splitter, patch cord, adapter, connectors etc. Especially for the PLC splitter, it can work in the extremely cold environment.

Profitability of low-temperature power electronics and potential ...

Research studies have already shown that loss reduction of cryogenic power converters is feasible at lower temperatures. Most often, however, the reason for research is mainly smaller and ...

PLC Splitter,1x8 SC/APC Cassette Card Inserting PLC Splitter ...

ABS plastic shell, with pit impact resistance, heat resistance and low temperature resistance. Low insertion loss and low back reflection, High Reliability and Stability, Low PDL.

1 x 8 PLC Fiber Splitter, LGX Cassette, Single-mode, SC/APC

These highly stable components perform superbly across temperature and wavelength providing low insertion loss, low input polarization sensitivity, excellent uniformity, and low return loss in 8-port ...

PLC Splitters | OEM Optical Communication Solutions | Corning

Corning's QuickPath™ PLC optical splitters reduce insertion loss and deliver high performance. These devices enable more effective monitoring and management of optical networks. They are available ...

LPS Series Low Profile 1x64 PLC Splitter Module

PLC Splitter features guaranteed performance specifications and high reliability that surpass Telcordia requirements and is suitable for many singlemode optical ...

PLC Splitter

Splitter A PLC Splitter is a component that splits the optical light power from one route into diff. rent routes. The Molex PLC Splitter offers premium factory controlled optical performance on a variety of ...

Select Electronic Parts Operation at Extreme Low Temperature

The purpose of the study presented in this paper is to extend the test period of a selected set of electronics parts at cryogenic condition to dwell period of about 24 hours to demonstrate extreme ...

## Contact Us

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