

SIZE 16 LOW LOSS FLOATING FIBER OPTIC CP 29504/4 PIN TERMINI

For Use in MIL-DTL-38999 Series III Cylindrical Connectors



- ▶ ***New Low Loss Floating Design (< -0.5dB)***
- ▶ ***Vibration resistant***
- ▶ ***Precision floating ceramic ferrules***
- ▶ ***Stainless steel terminus body***

The Size 16 floating fiber optic pin termini is an innovative product suited for a wide variety of applications and markets. Smiths Connectors' new fiber optic termini provide exceptional low loss characteristics with high reliability and repeatability.

They are designed to fit available formats of standard off the shelf electrical MIL-DTL-38999 cylindrical connectors (i.e D38999/20 & /26). It eliminates the need of using costly tight tolerance and hard to locate D38999/60 & /61 connector thus lowering the overall cost of ownership.

The floating pin termini will self align into standard connector formats thus improving the fiber optic pin to socket alignment resulting in improved insertion loss performance with a .006" radial and 3.25

degree angular misalignment. The floating mechanism helps to ensure precision alignment of the fiber ferrules in extreme environmental conditions of shock and vibration.

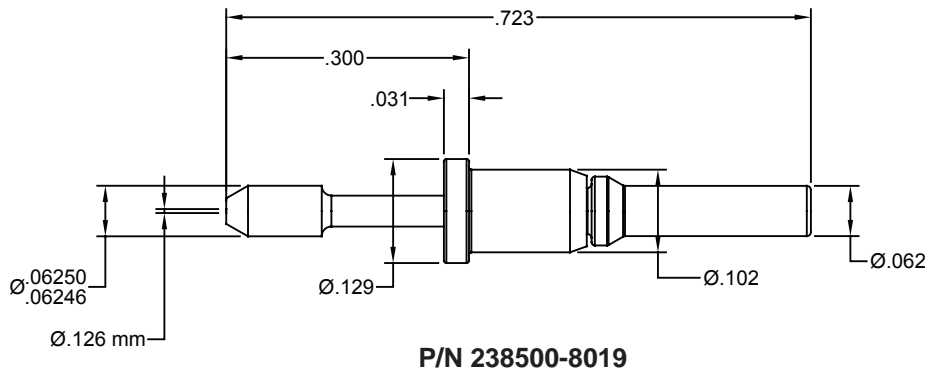
The floating pin termini is designed for ease of assembly, is field replaceable and is completely interchangeable and comparable in cost to standard M29504/4 Termini (without the built in floating low loss mechanism). The precise hole diameter and alignment features built in the ferrule and contact design provide a repeatable low loss connection suited for a wide variety of single mode and multi-mode fiber optic cables.

The terminus is available with a Zirconia ferrule for single and multi-mode applications.

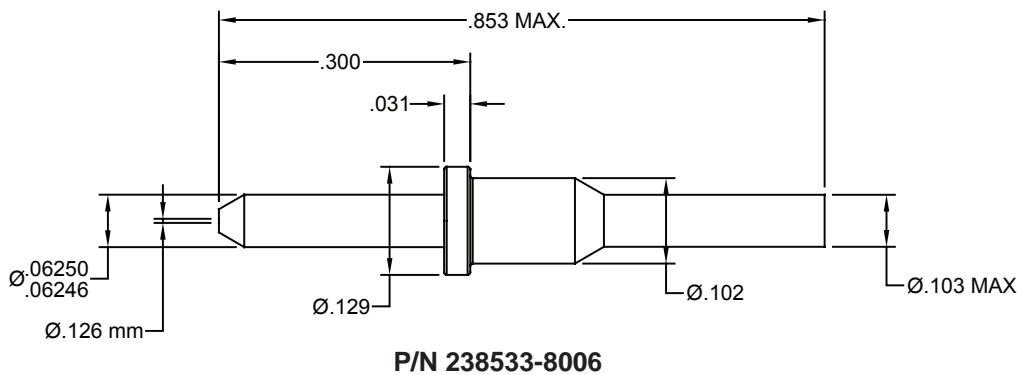
SIZE 16 FIBER OPTIC TERMINI

Low Loss and Standard Db

▶ LOW LOSS MIL-DTL-38999 SIZE 16 PIN TERMINUS CONFORMING TO CP29504/4



▶ STANDARD MIL-DTL-38999 SIZE 16 PIN TERMINUS CONFORMING TO CP29504/4



PROPERTIES

Standard:	The floating termini meets or exceeds all applicable requirements of Mil-PRF-29504/4 Pin termini
Materials:	Zirconia
Ferrules:	300 Series Stainless Steel
Body:	
Standard:	Contact meets requirements of MIL-PRF-29504/4
Ferrule to Body Float	.006 Radial and 3.25° Angular
Operating Temperatures:	-65° + 150C°, depending on chosen fiber optic cable
Insertion Loss:	<-0.5 dB (Mated Pair) <-0.25 (Typ – Mated Pair)

smiths connectors

FOR MORE INFORMATION | smithsconnectors.com |    