

Pigtail Cords for SMT Modules (OD-S524 Series)

Description

NEC's new surface-mount, low-cost laser diode module and photo diode module (called SMT module) are designed for use in fiber optic communications applications such as ATM, FTTL and SONET. This pigtail can be detached from SMT module for enhanced flexibility.

In the past, laser and photo diodes have been expensive and difficult to solder to a board. Because the pigtail detaches, these new devices can be soldered like an ordinary integrated circuit by a standard I.R. reflow process. The detachable pigtails are available with SC(with glass ferrule), SC, FCPC and ST connectors.

Features

Detachable from SMT module
Variety of connectors is available
Using PC connector

Characteristics (Detachable Terminal, unless noted)

Items		Specifications
Insertion Loss		≤ 0.8 dB
Return Loss		≥ 28 dB
Repeatability		± 0.5 dB
Operating Temperature		-40°C to +85°C
Storage Temperature		-40°C to +85°C
Durability	Detachable Terminal	20 times max.
	SCG Connector	100 times max. (note)
	Other Connectors (SC, FCPC, ST)	500 times max.

Note: This value does not specify the connect/disconnect times of the mated plug.

Product List

Part No.	Connector type	Fiber type	Fiber length
OD-S524-SCG-SM	SCG	SI 10/125	55 cm
OD-S524-SC-SM	SC	SI 10/125	55 cm
OD-S524-FCPC-SM	FCPC	SI 10/125	55 cm
OD-S524-ST-SM	ST	SI 10/125	55 cm

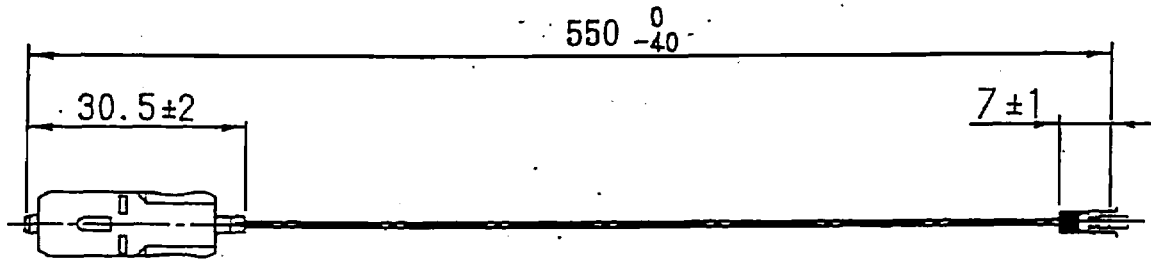
Note: SCG : SC connector with glass ferrule

Connection/Removal Method

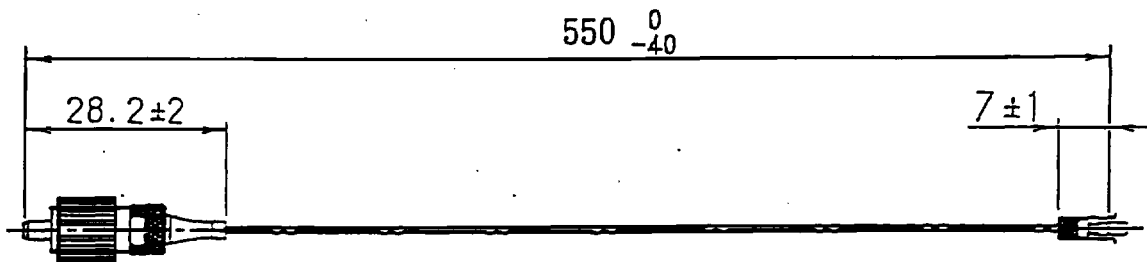
Please use the connection/removal tool designed for these pigtails.

Dimension

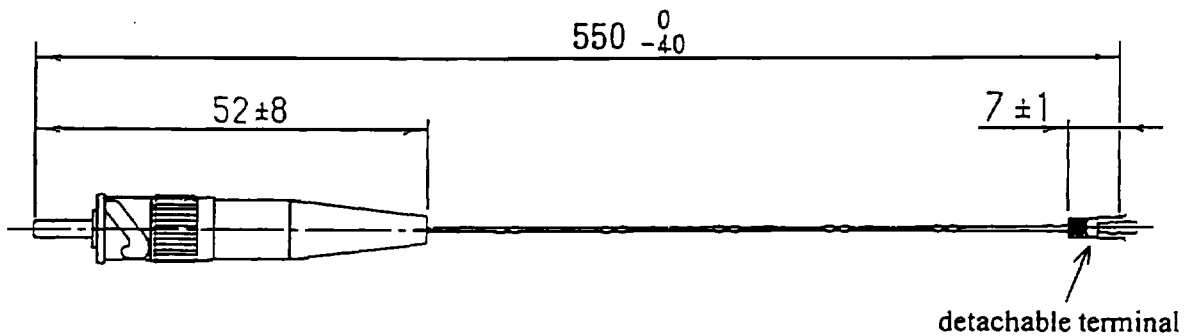
OD-S524-SCG-SM
OD-S524-SC-SM



OD-S524-FCPC-SM



OD-S524-ST-SM



Ordering Information

OD-S524-□□□□-SM

Connector type

SCG	: SC with glass ferrule
SC	: SC
FCPC	: FCPC
ST	: ST