

Phase Adjuster

Overview

The phase adjuster applicable for micro & milli-meter frequency waves. Easy-to-handle coaxial structure. We also readily produce your custom order devices to set them upon your request.

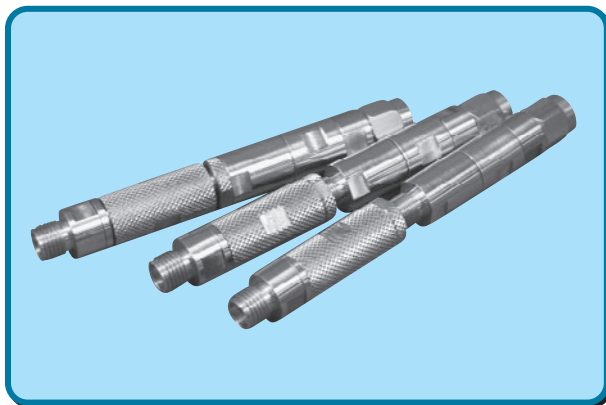
Features

1. Adjustable Limit at 18mm : 60ps
2. Stable frequency wave characteristics in the same adjustable limits

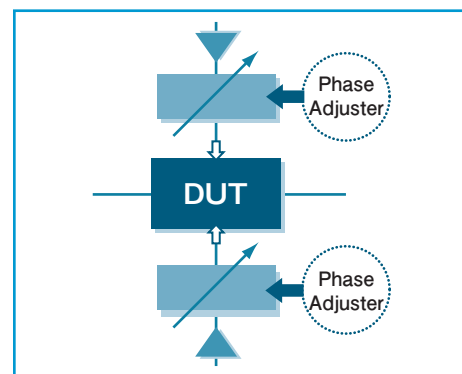
Uses

For use of synchronization of differential entry signals (optical transmission) and etc.

Sample product



■ Sample application : Phase adjustment of optical transmission converter

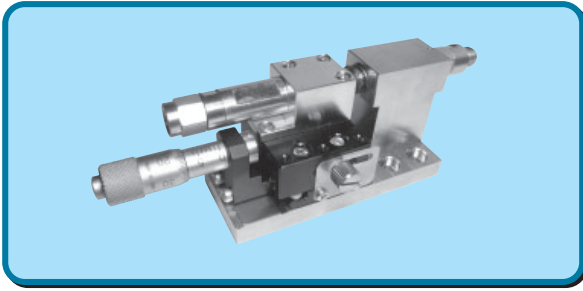


Typical specification

	A18S	A45K	A45V	A60V
Model No.	02X0445-00	02X0450-00	02X0450-10	02X0527-00
Terminal	SMA/P-J	2.92mmK/P-J	1.85mmV/P-J	
Length (mm)	(86~104)		(89~108)	
Drive mechanism	Trapezoid screw			
Delay time adjustable (ps)	60			
Frequency range (GHz)	DC~18	DC~40		DC~60
Phase shift adjustable (ps/1 cycles)	1.666/1 cycles			
Impedance (Ω)	50			
V.S.W.R.	1.3(at 18GHz)	1.4(at 40GHz)		1.5(at 60GHz)
*Insertion Loss (DC~18GHz)	0.7 dB			1.0 dB
*Insertion Loss (18~40GHz)	1.0 dB			1.3 dB
*Insertion Loss (40~60GHz)				1.5 dB

*When the adjustable delay time is at the maximum.

Application



This is the micro-meter unit to make a minute adjustment.

Component phase adjusters : 02X0450-00

DC~40GHz

Adjustment accuracy : physical length 0.01mm

Adjustable limits : 20ps

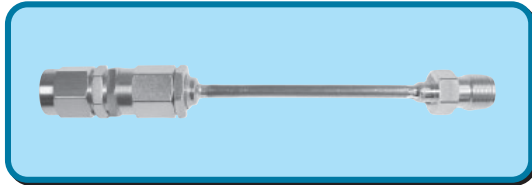
Phase Adjuster Trimmer Type

Features

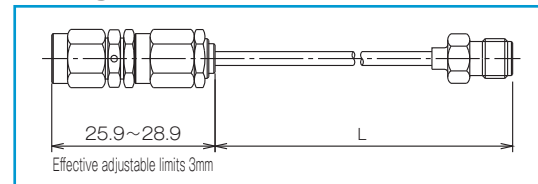
1. The instrument set into semi-rigid cable (SX-22 · SX-36) to tune in electric lengths
2. Very useful for precise electric length tuning beyond cable length adjustment
3. Also useful to make an adjustment of electric lengths of cables inside the systems

Sample products

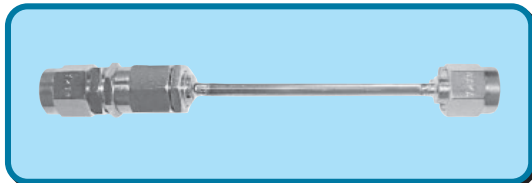
■ SMA/P phase trimmer SMA/J



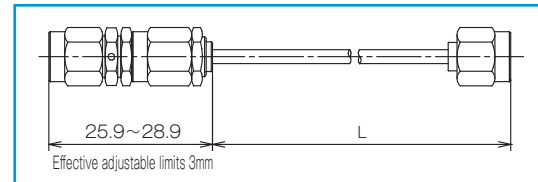
■ Diagram



■ SMA/P phase trimmer SMA/P



■ Diagram



Typical specification

Model No.	02YB336#0□□□	02YB337#0□□□	02YB541#0□□□	02YB542#0□□□
Terminal	SMA/P phase trimmer SMA/J		SMA/P phase trimmer SMA/P	
Frequency range (GHz)	DC~18			
Impedance (Ω)	50			
V.S.W.R.	1.3			
Insertion Loss (dB)	1.0			
Adjustable limit (ps)	9 (3.0mm adjustable)			
Operating temperature (°C)	-40 ~ +105			
Applicable cables	Semi-Rigid φ2.2 SX-22	Semi-Rigid φ3.6 SX-36	Semi-Rigid φ2.2 SX-22	Semi-Rigid φ3.6 SX-36

*You can designate a cable length by L dimensions between 50mm ~ 300mm.