

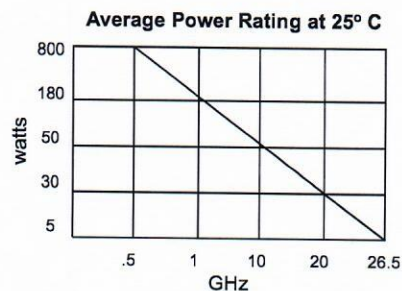
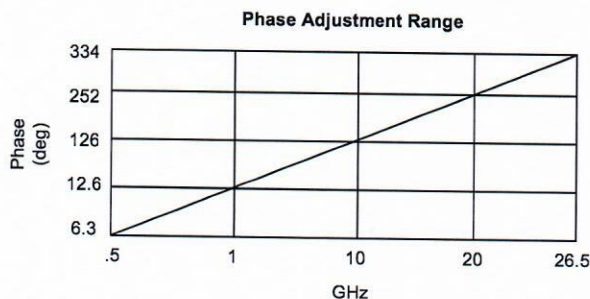
FEATURES

Phase trimmers offer a precise and simple means of phase adjustments in microwave systems.. They are field adjustable and are available in a slide (trombone) style to 26.5 GHz. They offer low VSWR, low insertion loss, smooth continuous adjustment, and a locking nut.

SPECIFICATIONS

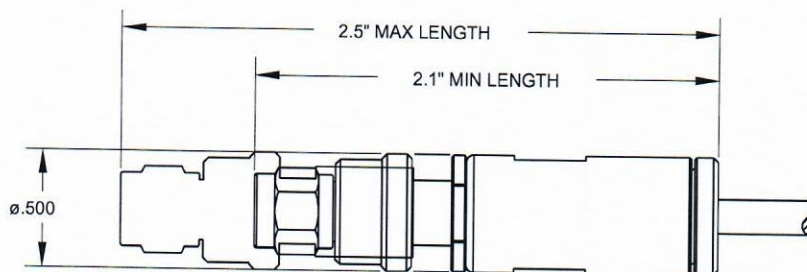
Electrical:

Frequency Range:	0.5 - 26.5 GHz
VSWR:	1.3:1 maximum
Impedance:	50 ohms
Insertion Loss:	IL = 0.06 x F (GHz) maximum
Delay:	0.170 nsec minimum; 0.205 nsec maximum
Delay Adjustment Range:	0.032 nsec
Phase Adjustment Range:	Delta Phase (deg) = 12.6 x F (GHz)
Delay Resolution:	2 psec per revolution
Phase Resolution:	Degrees per revolution = 0.72 x F (GHz)

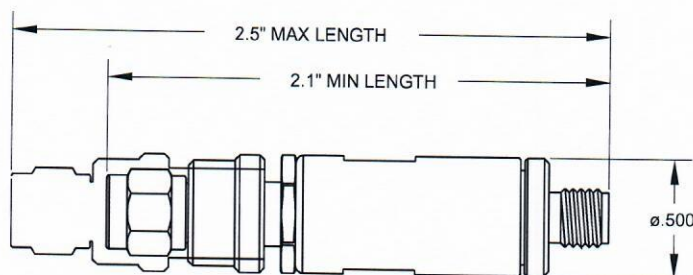


Adjustment:	Minimum Length = 2.1" (53mm)
Maximum Length	Maximum Length = 2.5" (63mm)
Connectors:	SMA compatible with MIL-C-39012
Mating Cycles:	500 cycles minimum
Adjustment Cycles:	500 cycles minimum
Materials:	
Body:	Passivated stainless steel
Contacts:	Gold plated beryllium copper
Gasket:	Silicone rubber
Operating Temperature:	-65 C to +125 C
Thermal Shock:	MIL-STD-202 Method 107 Condition B
Vibration:	MIL-STD-202 Method 204 Condition D, 20g
Moisture Resistance:	MIL-STD-202 Method 106
Shock:	MIL-STD-202 Method 213 Condition H

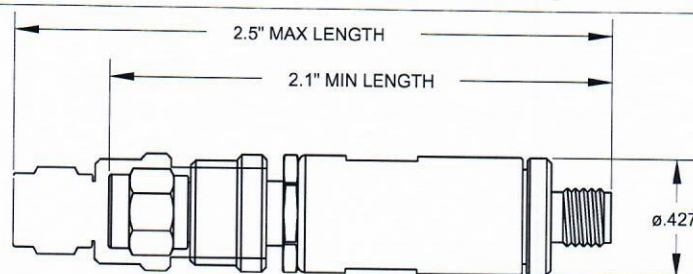




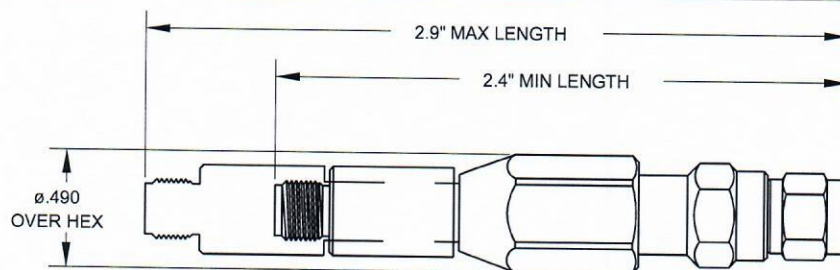
Model Number 20142-01 SMA Plug to 0.141 Semi-rigid cable



Model Number 30136-01 SMA Plug to Jack



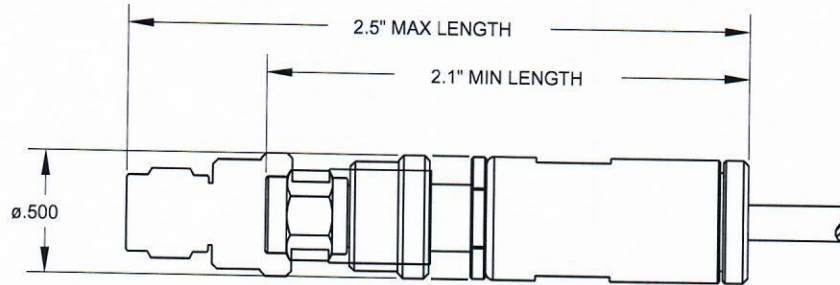
Model Number 30136-02 SMA Plug to Jack



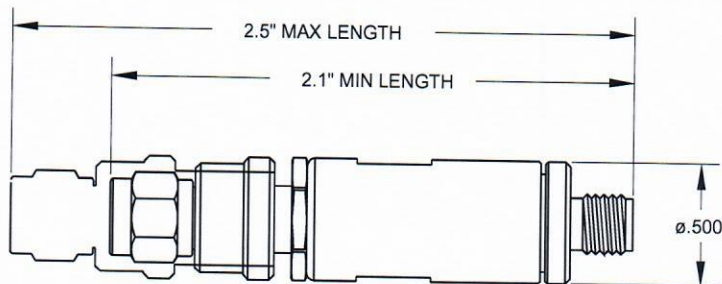
Model Number 30163-01 SMA Plug to Jack

Slide trombone adjustable unit has a slightly longer minimum and maximum delay than stated in the data specifications.

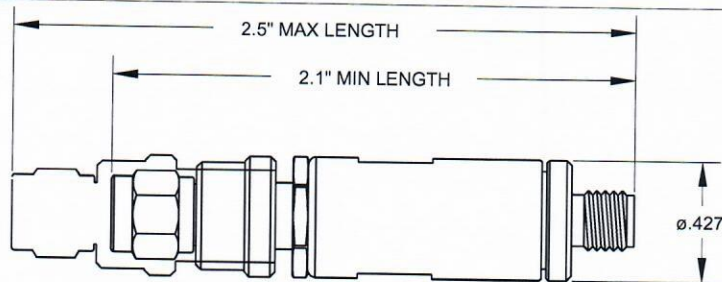
MODEL NUMBER	INTERFACE 1	INTERFACE 2	MINIMUM LENGTH	MAXIMUM LENGTH
20142-01	SMA Male	0.141 Semi Rigid Cable	2.10 ± 0.01	2.50 ± 0.01
30136-01	SMA Male	SMA Female	2.10 ± 0.01	2.50 ± 0.01
30136-02	SMA Male	SMA Female	2.10 ± 0.01	2.50 ± 0.01
30163-01*	SMA Female	SMA Male	2.40 ± 0.01	2.90 ± 0.01



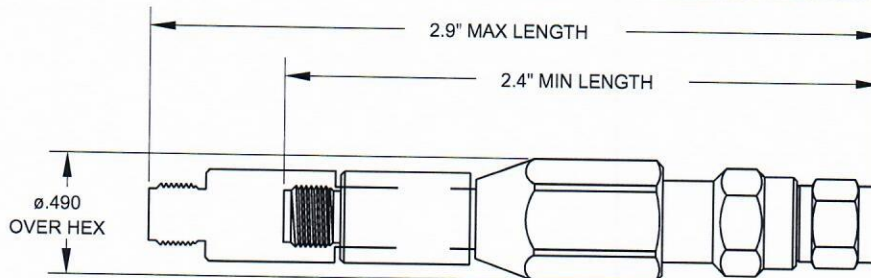
20142-01



30136-01



30136-02



30163-01

Slide trombone adjustable unit has a slightly longer minimum and maximum delay than stated in the data specifications.