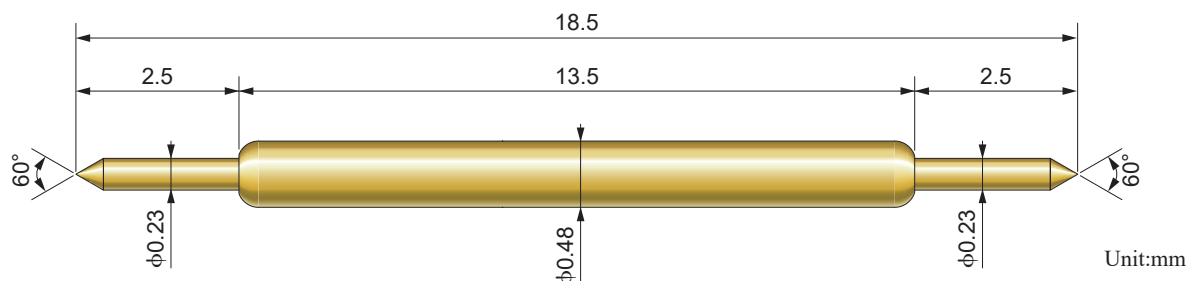
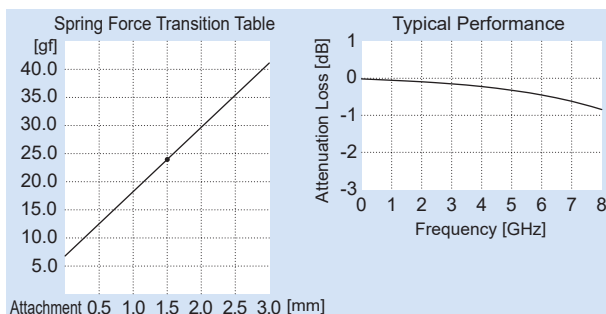


## ■ TW048-NB / NB-01

Tip Needle × Needle

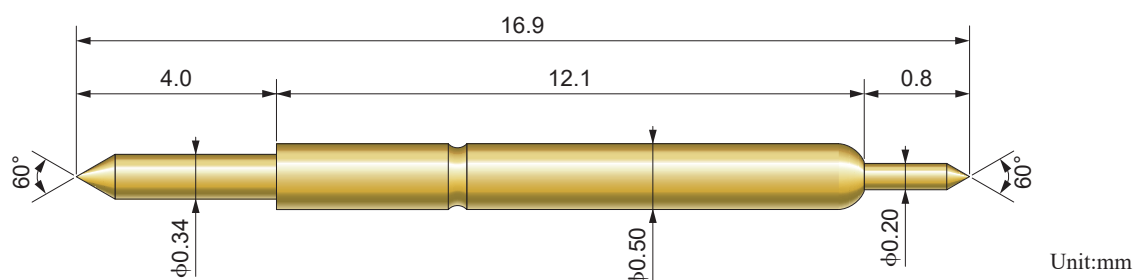


Stroke	3.0 mm		
Spring Force	6.8 gf	Preload	
	23.96±4.79 gf	1.5 mm Recommended Stroke	
Max. Current	1.0 A		
Parts Name	Material	Finish	Application
Plunger	Steel	Au Plated	Needle
Plunger	Steel	Au Plated	Needle
Barrel	Phosphor Bronze	Au Plated	
Spring	Piano Wire	Au Plated	

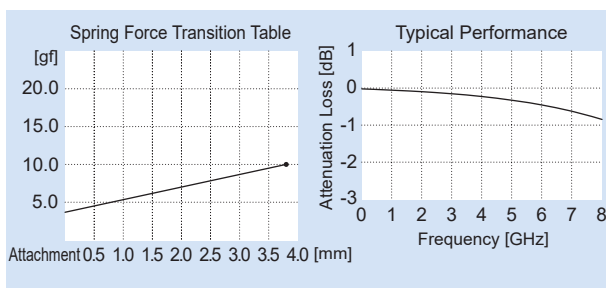


## ■ TW050-NB / NB-00

Tip Needle × Needle



Stroke	3.8 mm		
Spring Force	3.67 gf	Preload	
	10.0±2.0 gf	3.6 mm Recommended Stroke	
Max. Current	1.0 A		
Parts Name	Material	Finish	Application
Plunger	Steel	Au Plated	Needle
Plunger	Steel	Au Plated	Needle
Barrel	Phosphor Bronze	Au Plated	
Spring	Piano Wire	Au Plated	



● All specifications are subject to change without notice.

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