

Examples of Spring Mini Probe

PT (pitch type) 500 μ m Spring Mini Probe

Plunger Tip Styles			
Plunger_1		Plunger_2	
A		A	
B		B	
C		C	
D		D	
E		E	

	Material	Plating
Plunger	Pd Alloy / Au Alloy SK4 / BeCu	Au / Rh Pd-Co
Barrel	Phosphor bronze / AuPB	Au
Spring	SWP / SUS	Au

Pitch type	500 μ m (Specifications)	Possibility	
Full Travel	1.2mm	Length	3mm~10mm
Spring Force	25gf@0.7mm Travel	Spring Force	5gf~35gf@0.5mm Travel
Life Span	300Kcycle@0.7mm Travel	C-Res	0.05ohm~0.3ohm@0.5mm Travel
Operating Temp	-20°C~120°C	Operating Temp	-20°C ~ 120°C
C-Res	0.1ohm@0.7mm Travel		
Current Rating	2.0A		

PT (pitch type) 400 μ m Spring Mini Probe

Plunger Tip Styles			
Plunger_1		Plunger_2	
A		A	
B		B	
C		C	
D		D	
E		E	

	Material	Plating
Plunger	Pd Alloy / Au Alloy SK4 / BeCu	Au / Rh Pd-Co
Barrel	Phosphor bronze / AuPB	Au
Spring	SWP / SUS	Au

Pitch type	400 μ m (Specifications)	Possibility	
Full Travel	0.8mm	Length	3mm~7mm
Spring Force	15gf@0.7mm Travel	Spring Force	10gf~30gf@0.4mm Travel
Life Span	200Kcycle@0.7mm Travel	C-Res	0.05ohm~0.3ohm@0.4mm Travel
Operating Temp	-20°C~120°C	Operating Temp	-20°C ~ 120°C
C-Res	0.1ohm@0.7mm Travel		
Current Rating	1.0A		

PT (pitch type) 150 μ m Spring Mini Probe

Plunger Tip Styles			
Plunger_1		Plunger_2	
A		A	
B		B	
C		C	
D		D	
E		E	

	Material	Plating
Plunger	Pd Alloy / Au Alloy SK4 / BeCu	Au / Pd-Co Rh
Barrel	Electroforming Au Alloy	Electroforming :Au (Inside)
Spring	SWP / SUS	Au

Pitch type	150 μ m (Specifications)	Possibility	
Full Travel	0.41mm	Length	4.5mm~6mm
Spring Force	5gf@0.3mm Travel	Spring Force	5gf@0.35mm Travel
Life Span	1,000Kcycle@0.15mm~0.3mm Travel	C-Res	≤1ohm@0.35mm Travel
Operating Temp	-20°C~120°C	Operating Temp	-20°C ~ 120°C
C-Res	0.8ohm@0.3mm Travel		
Current Rating	0.2A		

PT (pitch type) 120 μ m Spring Mini Probe

Plunger Tip Styles			
Plunger_1		Plunger_2	
A		A	
B		B	
C		C	
D		D	
E		E	

	Material	Plating
Plunger	Pd Alloy / Au Alloy SK4 / BeCu	Au / Pd-Co Rh
Barrel	Phosphor bronze / AuPB	Au
Spring	SWP / SUS	Au

Pitch type	120 μ m (Specifications)	Possibility	
Full Travel	0.4mm	Length	4.5mm~6mm
Spring Force	3gf@0.3mm Travel	Spring Force	3gf@0.3mm Travel
Life Span	200Kcycle@0.15~0.3mm Travel	C-Res	≤2ohm@0.3mm Travel
Operating Temp	-20°C~120°C	Operating Temp	-20°C ~ 120°C
C-Res	≤2ohm@0.3mm Travel		
Current Rating	0.1A		