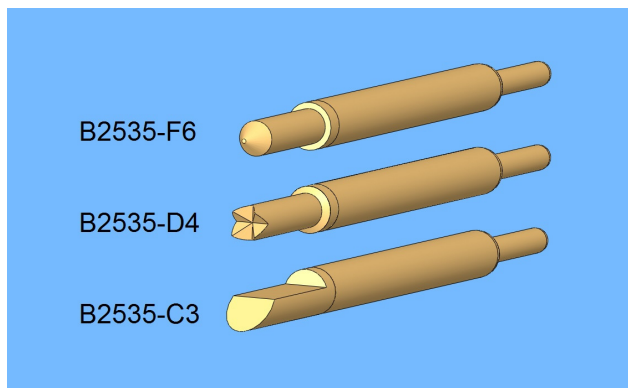


**FEATURES**

- 26-31g operating spring force
- Kelvin contacts
- Non-magnetic applications
- 55 milliOhms contact resistance
- 2.3 Amps max. drive current



**GENERAL DESCRIPTION**

The B2535 spring probe from Signal Integrity Inc. is designed to meet the rigorous test requirements driven by the ultra fast risetimes in the digital domain, and high bandwidth, high frequency RF / microwave specifications for the wireless market. Along with speed and accuracy, these probes are designed to operate at pitches to 0.5mm, specifically for the fine pitch packaging these markets demand.

These probes will provide transparent operation on Bluetooth, 802.11b and 3G wireless protocol devices as well as exceed the test probe demands of proprietary microwave communications devices and systems.

The B2535 has more than enough performance for probe applications and interconnection solutions in broadband digital. These probes are ideal for building transparent test channels or interconnection solutions that must address data communication and source synchronous memory busses. Among others, these include Infiniband, PCI-Express, Source Synchronous DDR, Rambus™, HyperTransport and 10Gb Ethernet.

The B2535-C3 and B2535-D4 non-magnetic design is perfect for discrete inductive components, hall-effect switches, and other inductive sensors, magnetometers, and other application, including MRAM, MLU, MEMS, and MFM.

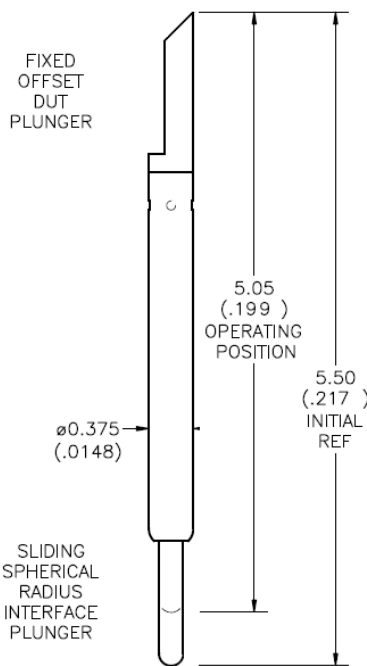
	<b>DC</b>	<b>50%</b>	<b>10%</b>	<b>1%</b>	
<b>Imax</b>	2.31	4.27	5.98	6.23	<b>A</b>

**SERIES B2535 MODELS: ORDERING INFORMATION**

B Series 0.5mm (.0197) Pitch				
Model	Length Operating / Initial inch [mm]	DUT Plunger and Plating	Spring	Operating Spring Force
B2535-A1	.199" [5.05] / .217" [5.50]	Kelvin - Gold	Music Wire	31 Grams
B2535-B2			Stainless Steel	26 Grams
B2535-C3		Kelvin – Gold	BeCu	28 Grams
B2535-D4		4 Point Crown - Gold		
B2535-E5		4 Point Crown - Gold	Stainless Steel	26 Grams
B2535-F6		Conic – Gold		

B Series 0.5mm (.0197 inch) Pitch									
Probe Series	Initial Length inch / mm		Operating Position inch / mm		Spring Force	Self Inductance	Insertion Loss <-1db to	Typical Contact Resistance	Maximum Current
<a href="#">B2500</a>	.304"	7.72	.275"	6.99	28 g	1.73 nH	6.4 GHz	80 mOhms	2.6 A
<a href="#">B2501</a>	.162"	4.11	.150"	3.81	20-35 g	0.97 nH	11.2 GHz	50 mOhms	2.8 A
<a href="#">B2502</a>	.091"	2.31	.085"	2.16	32 g	0.54 nH	17.0 GHz	30 mOhms	1.5 A
<a href="#">B2503</a>	.157"	3.99	.142"	3.61	26-32 g	0.71 nH	13.0 GHz	60 mOhms	1.7 A
<a href="#">B2504</a>	.214"	5.42	.190"	4.82	24-34 g	1.12 nH	8.8 GHz	60 mOhms	2.9 A
<a href="#">B2509</a>	.108"	2.74	.094"	2.39	26 g	0.62 nH	16.1 GHz	60 mOhms	2.0 A
<a href="#">B2514</a>	.116"	2.95	.104"	2.64	26 g	0.63 nH	12.2 GHz	90 mOhms	2.0 A
<a href="#">B2535</a>	.217"	5.50	.199"	5.05	26-31 g	~	~	55 mOhms	2.3 A

**MECHANICAL DIMENSIONS**  
**INCHES [MM]**



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