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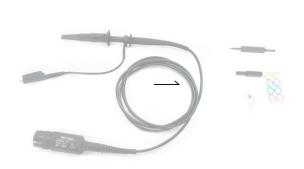














Oscilloscope Probe

Essentially, an oscilloscope probe establishes a physical and electrical connection between a test point or source and an oscilloscope; in fact, an oscilloscope probe is a type of device or network that connects a signal source to an oscilloscope input, There are three key issues with the degree of connectivity: physical connectivity, impact on circuit operation, and signal transmission.

Description

Review



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Model	IP-100	IP-200	IP-1110	IP-1120	IP-2210	IP-2220	IP-2230
Bandwidth	DC-100MHz	DC-200MHz	DC-100MHz	DC-200MHz	DC-100MHz	DC-200MHz	DC300MHz
Attenuation	X1 / X10						
Input resistance	About $1M\Omega$ for X1 and about $10M\Omega$ for X10						
	About 105pF for X1 and		About 95pF for X1 and		About 95pF for X1 and		
Input capacitance	about 15pF for X10		about 13pF for X10		about 12pF for X10		
Maximum output	X1 150V DC +Peak AC						
Voltage	X10 300Vrms						
Compensation range	10-2	20pF	10-2	25pF		10-30pF	
Test line length	About 1.2m						
Operating environment	0-50°C 0-80%RH						

- •Miniature probe tip: easier to connect into tested circuit
- •Frequency width DC-500MHz
- •P6139B With automatic identification function
- •Parts combination :more. flexible usage, adapt to more test occasions

Model	P-6139	P-6139A	P-6139B
Bandwidth	500MHz	500MHz	500MHz
Attenuation	10X / 1X	10X	10X
Rise Time	<700Ps	<700Ps	<700Ps
Maxinput Voltage	300VCATII	300VCATII	300VCATII
Input Resistance	10ΜΩ/1ΜΩ	10ΜΩ	10ΜΩ
Input Capacitance	11pF/95pF	9pF	9pF
Auto-ID	No	No	Yes
Cable Length(meter)		1.4m	

- •Frequency width DC-250MHz
- •Automatically identification function
- •Voltage withstand as high as 3000VpK
- •High precision accuaracy < 1%

Model	IP-2100	P-3100	IP-3100A	P-5100A
Bandwidth	100MHz	100MHz	250MHz	250MHz
Attenuation	100X	100X	100X	100X
Rise Time	< 3.50ns	< 3.50ns	< 1.4ns	< 1.4ns
Maxinput Voltage	2000Vpk	2000Vpk	2000Vpk	3000Vpk
Input Resistance	100ΜΩ	100ΜΩ	100ΜΩ	100ΜΩ
Input Capacitance	12pF	10pF	10pF	3pF
Cable Length(meter)	1.2m	1.2m	1.2m	2m
Operating environment		0-50°C 0-80%RH		

- Separate design
- •Adopt large scale integrated circuit , SMT process, with better reliability and stability
- •40MN high resistance
- •Super high speed test probe, rising time can reach to 3.5ns

Model	P-5205A	P-5210A	
Bandwidth 50MHz		100MHz	
Attenuation	500X / 50X	500X / 50X	
Rise Time	< 3.50ns	<7ns	
Differential voltage	+/-1300V(500X)	+/-1300V(500X)	
Common mode voltage	1000VRms	1000VRms	
Input resistance	8ΜΩ/4ΜΩ	8ΜΩ/4ΜΩ	
Input capacitance	7pF	7pF	
	DC: > -80 dB 100	DC: > -80 dB 100	
Common mode dump ratio	kHz : > -60dB 3.2	kHz : > -60dB 3.2	
common mode damp rado	MHz:-40dB 100	MHz:-40dB 100	
	MHz: -30dB	MHz : -30dB	

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