

Sucotest™ 110/145

High precision, durability, and effectiveness for high-density and modular test applications

Now available up to 145 GHz



Edition 2025/11

Reliable microwave test cable assemblies for consistent, repeatable measurements

- Dependable electrical performance up to 145 GHz
- Excellent amplitude and phase stability with flexure, crush and torque resistance
- Superior return loss
- Rugged construction for extended service life
- Sucotest 110: Stock assemblies available in 6, 12, 18 inch lengths, with male and female 1.0 mm connectors
- Sucotest 145: Stock assemblies available in 6 and 12 inch lengths, with male and female 0.8 mm connectors



Short delivery time



High mechanical and stable electrical performance



Excellent price-performance ratio

Speed matters.



Sucotest™ 110/145 microwave test cable assemblies

Ruggedized design for exceptional performance

	Sucotest 110	Sucotest 145
Connectors	1.0 mm (male/female)	0.8 mm (male/female)
Velocity of propagation (%)	70	76
Return loss (dB)	Typ. 19.0 Min. 14.7	Typ. 16.0 Min. 14.0
Insertion loss (dB/m)	Typ. 19.8	Typ. 26.9
Amplitude stability vs. flexure (dB)	Typ. ± 0.15 Max. ± 0.2	Typ. ± 0.20 Max. ± 0.25
Phase stability vs. flexure (°)	Typ. ± 10 Max. ± 20	Typ. ± 20 Max. ± 25
Flex cycles	Typ. 15.000	Typ. 300
Absolute time delay matching		± 1 ps

Cable assembly configurations available from stock

Sucotest™ 110 microwave test cable assemblies

Frequency range 110 GHz, RL min. 14.7 dB

Stock assembly type	Item	Connector types	Length	IL	Absolute time delay matched	Data sheet
ST110_11PC10_11PC10_6in	85229047	1 mm male / 1 mm male	6 inch / 152 mm	max. 3.7 dB	n/a	Link
PMAST110/11PC10/11PC10/6in	85255377		6 inch / 152 mm	max. 3.7 dB	± 1ps	Link
ST110_11PC10_11PC10_12in	85229046		12 inch / 305 mm	max. 6.35 dB	n/a	Link
PMAST110/11PC10/11PC10/12in	85266755		12 inch / 305 mm	max. 6.35 dB	± 1ps	Link
ST110_11PC10_11PC10_18in	85229048		18 inch / 457 mm	max. 9.0 dB	n/a	Link
PMAST110/11PC10/11PC10/18in	85251373		18 inch / 457 mm	max. 9.0 dB	± 1ps	Link
ST110_11PC10_21PC10_6in	85229043	1 mm male / 1 mm female	6 inch / 152 mm	max. 3.7 dB	n/a	Link
PMAST110/11PC10/21PC10/6in	85250952		6 inch / 152 mm	max. 3.7 dB	± 1ps	Link
ST110_11PC10_21PC10_12in	85229039		12 inch / 305 mm	max. 6.35 dB	n/a	Link
PMAST110/11PC10/21PC10/12in	85263280		12 inch / 305 mm	max. 6.35 dB	± 1ps	Link
ST110_11PC10_21PC10_18in	85229040		18 inch / 457 mm	max. 9.0 dB	n/a	Link
PMAST110/21PC10/11PC10/18in	85251990		18 inch / 457 mm	max. 9.0 dB	± 1ps	Link
ST110_21PC10_21PC10_6in	85229041	1 mm female / 1 mm female	6 inch / 152 mm	max. 3.7 dB	n/a	Link
ST110_21PC10_21PC10_12in	85229044		12 inch / 305 mm	max. 6.35 dB	n/a	Link
ST110_21PC10_21PC10_18in	85229045		18 inch / 457 mm	max. 9.0 dB	n/a	Link

Sucotest™ 145 microwave test cable assemblies

Frequency range 145 GHz, RL min. 14.0 dB

Stock assembly type	Item	Connector types	Length	IL	Absolute time delay matched	Data sheet
PMAST145/11PC08/11PC08/6in	85271037	0.8 mm male / 0.8 mm male	6 inch / 152 mm	max. 4.97 dB	± 1ps	Link
PMAST145/11PC08/11PC08/12in	85271039		12 inch / 305 mm	max. 8.74 dB		Link
PMAST145/11PC08/21PC08/6in	85271038	0.8 mm male / 0.8 mm female	6 inch / 152 mm	max. 4.97 dB		Link
PMAST145/11PC08/21PC08/12in	85271040		12 inch / 305 mm	max. 8.74 dB		Link

Please get in touch with us, our experts are happy to help.

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