



Innovating Test
Technologies®

NEW Cascade Microtech High Frequency Cable Assemblies

Cascade Microtech introduces a new series of high frequency cables that enhances the overall compatibility of the cable and probe within the top hat for microchambered probe stations as well as provides key advantages in terms of reduced EMI/RFI and light leakage.

Features

- Shorts Coax Shield to EMI gasketed top hat
- Phase/amplitude stable for greater measurement accuracy
- Low VSWR : better than 1.45:1 at 40 GHz and 50 GHz; 1.50:1 at 67 GHz
- Insertion loss: better than -4.26dB at 40 GHz; -6.00dB at 50 GHz; 6.85 dB at 67 GHz
- Shielding effectiveness: greater than 90 dB per MIL-STD 1344, Method 3008
- Swept Configuration: Integrated "swept" elbow (pin) connector to straight (socket) connector
- Straight Configuration: Straight (pin) connector to straight (socket) connector
- Connectors:
- 40 GHz 2.92mm ("K" type) - intermateable with SMA, 3.5-mm interfaces
- 50 GHz 2.4-mm - intermateable with 2.4-mm and 1.85-mm interfaces
- 67 GHz 1.85-mm - intermateable with 2.4-mm and 1.85-mm interfaces
- Standard length: 40 and 50 GHz, 48-inches (122-cm); 67 GHz, 36 inches (91cm)

Advantages

- Less EMI/RFI
- Less Light Leakage

Configurations

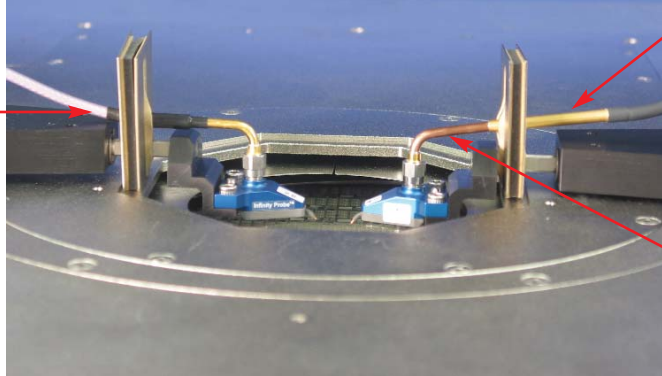
The following part numbers should be used for ALL MicroChambere® equipped probe stations. The part numbers can also be used with stations without a MicroChamber enclosure.

P/N	Freq	Style	Length	Probe station
132-420	40	Vertical Probe	48"	RF-1, 9K, 11/12K, S300
132-421	50	Vertical Probe	48"	RF-1, 9K, 11/12K, S300
132-422	67	Vertical Probe	36"	RF-1, 9K, 11/12K, S300
132-423	40	Angled Probe	48"	RF-1, 9K, 11/12K, S300
132-424	50	Angled Probe	48"	RF-1, 9K, 11/12K, S300
132-425	67	Angled Probe	36"	RF-1, 9K, 11/12K, S300

For Non-Microchambered probe stations the following alternate part numbers may be used:

P/N	Freq	Style	Length	Probe station
101-162-B	40	Vertical Probe	48"	RF-1, 9K, no MicroChamber
103-202-B	50	Vertical Probe	48"	RF-1, 9K, no MicroChamber
124-605-B	67	Vertical Probe	36"	RF-1, 9K, no MicroChamber
124-084-B	40	Angled Probe	48"	RF-1, 9K, no MicroChamber
124-085-B	50	Angled probe	48"	RF-1, 9K, no MicroChamber
124-606-B	67	Angled Probe	36"	RF-1, 9K, no MicroChamber

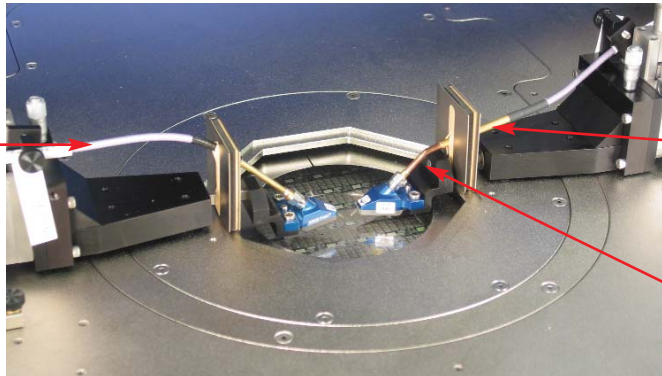
Non Top Hat Compatible
p/n 101-162-B, 103-202-B,
124-605-B



Extended Ferrule:
Shorts coax shield to EMI
gasketed top hat

Top Hat Compatible
p/n 132-420, 132-421,
132-422

Non Top Hat Compatible
p/n 124-084-B, 124-085-B,
124-606-B



Extended Ferrule:
Shorts coax shield to EMI
gasketed top hat

Top Hat Compatible
p/n 132-423, 132-424,
132-425



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