Tektronix®

IsoVu Isolated Probes – Connectivity Options

The best performance from the IsoVu measurement system is achieved when an MMCX connector is inserted close to the test points. MMCX connectors are an industry standard and are available from many electronic component distributors. These connectors offer high signal fidelity. The solid metal body and gold contacts provide a well-shielded signal path. The mating MMCX interface offers a snap-on connection with a positive retention force for a stable, hands free connection. The disengage force provides a safe, stable connection for high voltage applications. When an MMCX connector cannot be used, Tektronix offers the below adaptors to connect the sensor tip cables.

Sensor Tips for IsoVu
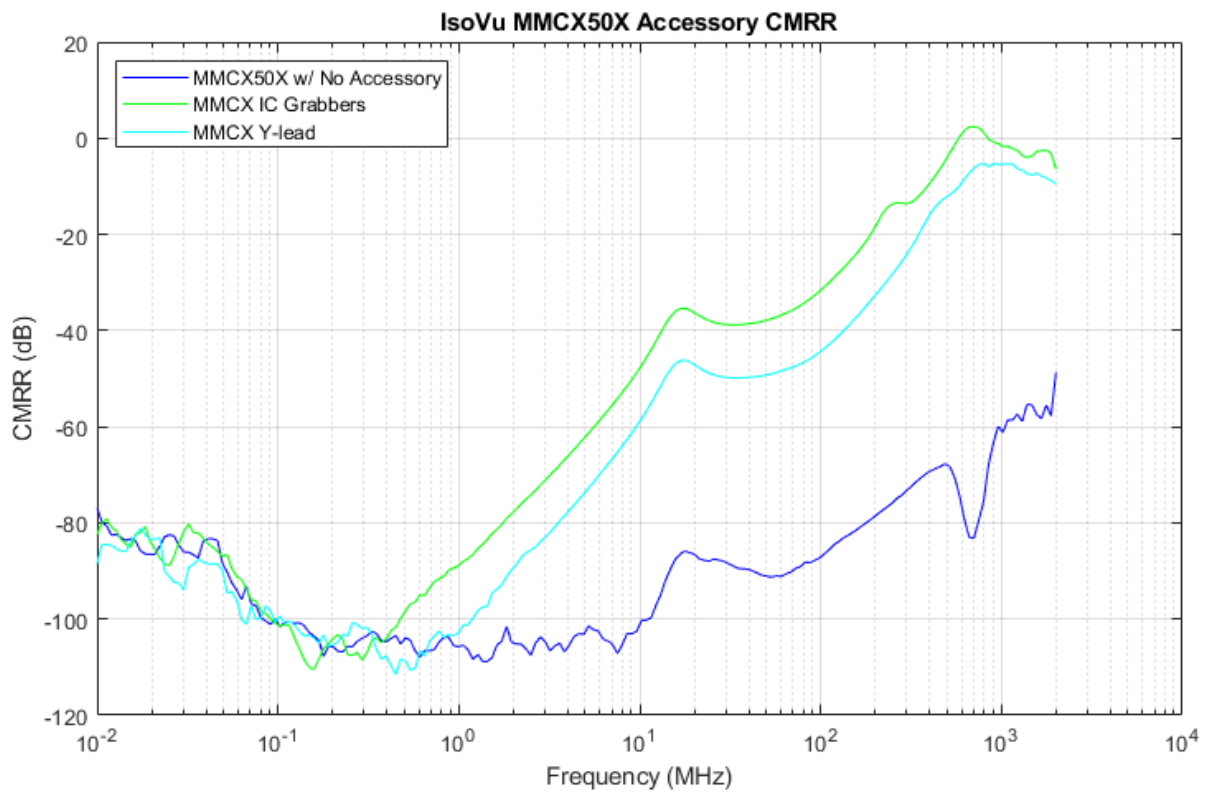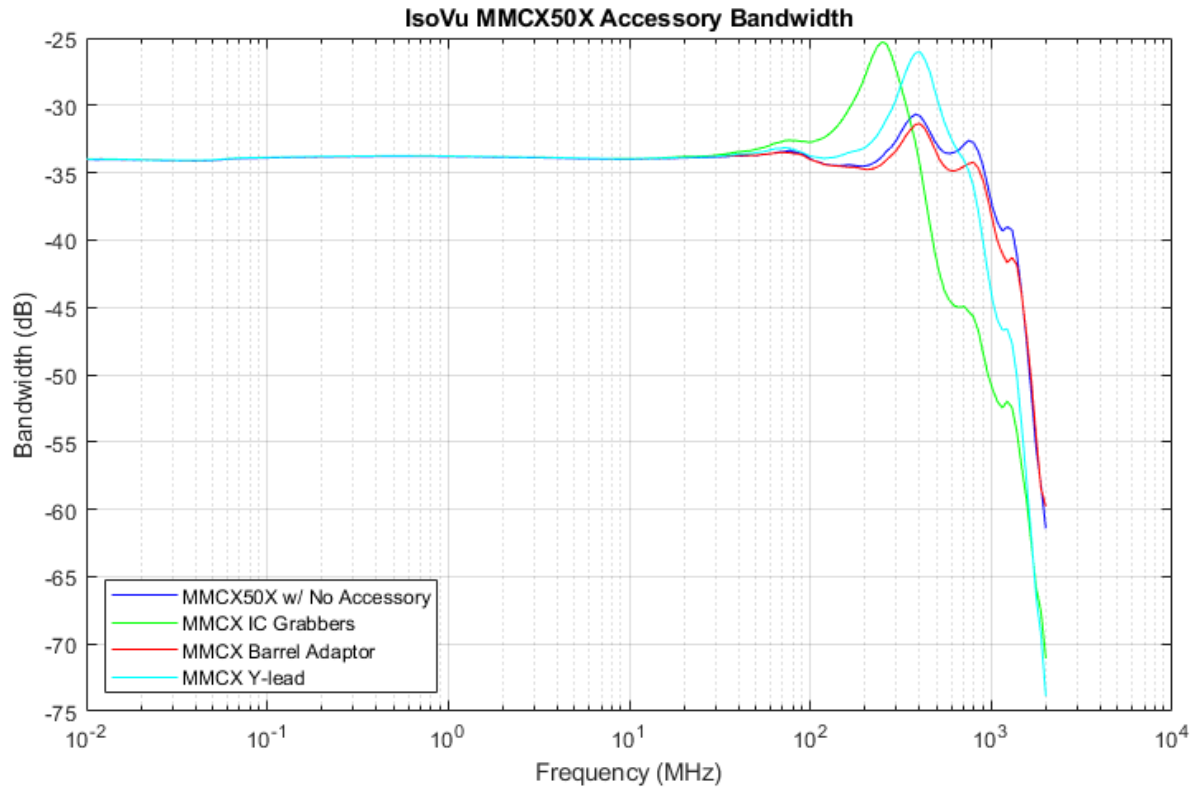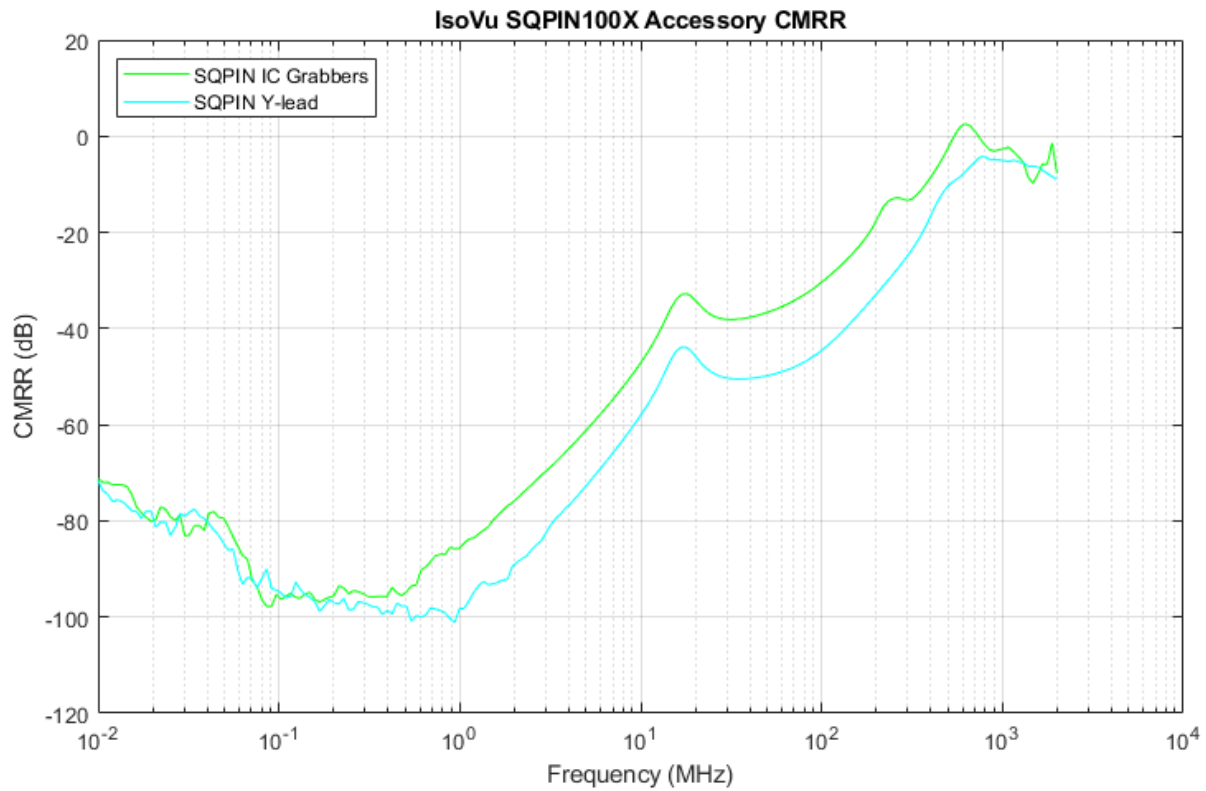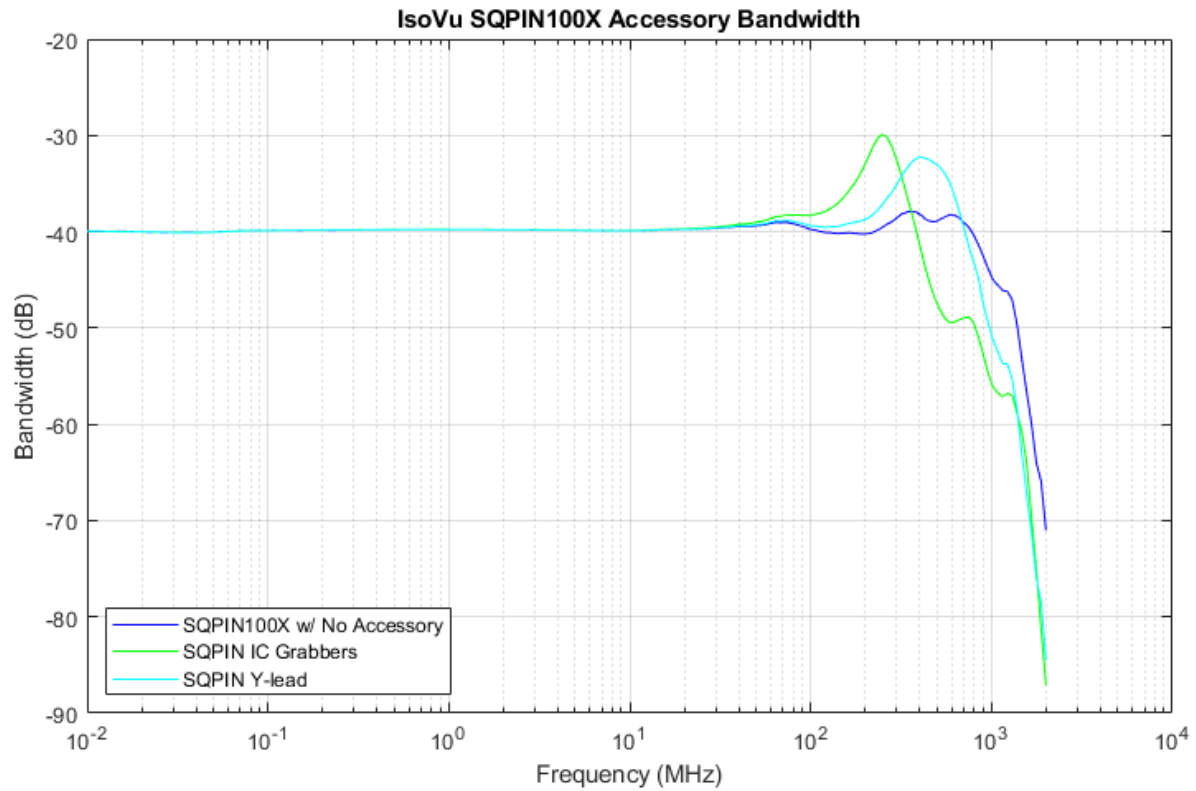Various attenuation high performance Sensor Tips with MMCX, Square Pin, or Wide Square Pin connectors (please reference the IsoVu datasheet or call your Tektronix representative to select the appropriate sensor tip for your application)

Square Pin to MMCX Adapter, 0.100" Spacing (131-9717-xx)
Adapt an MMCX IsoVu tip to standard 0.100" spaced, 0.025" square pins

Square Pin to MMCX Adapter, 0.062" Spacing (131-9677-xx)
Adapt an MMCX IsoVu tip to 0.062" spaced, 0.016" square pins. Perfect for probing across 0402 sense resistors.

Probe Tip Tripod Support (352-1170-xx)
Qty. 2

Lead, MMCX to IC Grabber (196-3546-xx)
Adapt an MMCX IsoVu tip to spring-loaded IC Grabbers

Lead, Square Pin to IC Grabber (196-3547-xx)
Adapt 0.100" spaced square pins to spring-loaded IC Grabbers

Lead, Wide Square Pin to Banana Jack (020-3189-xx)
Adapt 0.200" spaced square pins to standard banana jacks (FL-AC285 Alligator Clamps included)

MMCX Y-Lead (TPR4KIT)
Adapt an MMCX IsoVu tip to Y-Lead

Spare Pins for 0.062" Spaced Test Points (020-3169-xx)
Spare 0.016" round pins for creating a test point across an 0402 SMT package.

Solder Aid for 0.062" Spaced Square Pins (003-1946-xx)
Holds 0.016" square pins in place when soldering a test point across an 0402 SMT package.

Flexible Tripod with Quick Release (352-1171-xx)

MMCX Accessory Performance Graphs

IsoVu MMCX50X Accessory Bandwidth

IsoVu MMCX50X Accessory CMRR

SQPIN Accessory Performance Graphs

IsoVu SQPIN100X Accessory Bandwidth

Legend:
- SQPIN100X w/ No Accessory
- SQPIN IC Grabbers
- SQPIN Y-lead

Axes: Bandwidth (dB) vs Frequency (MHz)

IsoVu SQPIN100X Accessory CMRR

Legend:
- SQPIN IC Grabbers
- SQPIN Y-lead

Axes: CMRR (dB) vs Frequency (MHz)

WSQPIN Accessory Performance Graphs

IsoVu WSQPIN1000X Accessory Bandwidth

IsoVu WSQPIN1000X Accessory CMRR
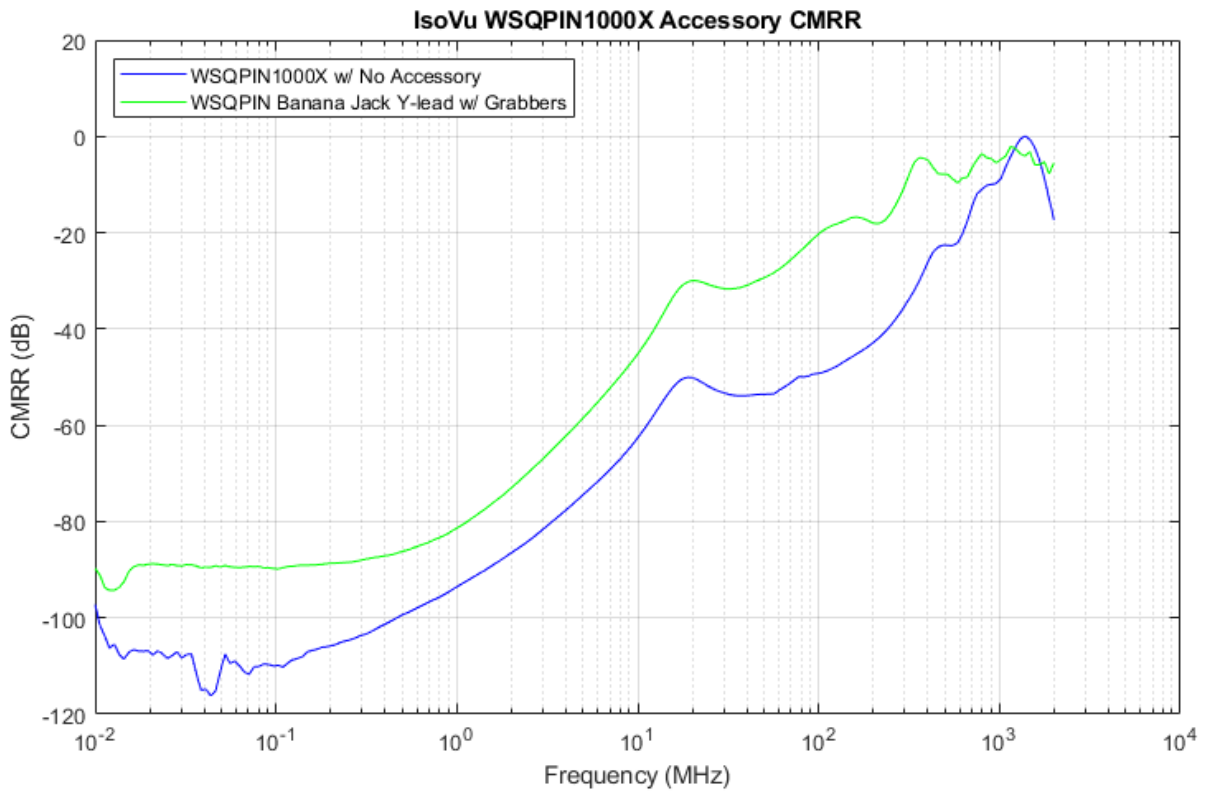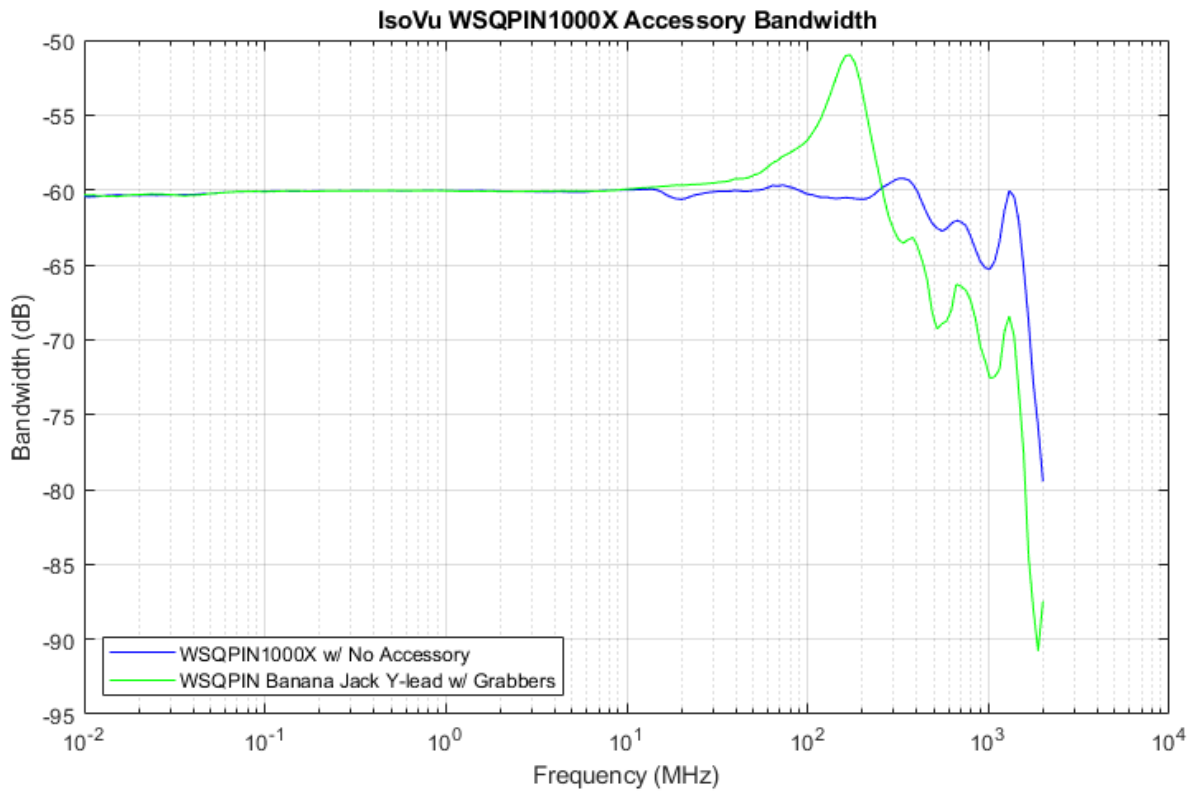
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