

Joy Signal Technology

A Meritec Company

High Performance Coaxial Spring Probe

Electrical: This connector is valid for use above 3 GHz. Testing on a double ended assembly with a short length of coax in between gave less than 2db attenuation at 3 GHz.

The connector impedance is within 10% of 50 ohms when measured with a 150pS risetime, and the impedance is much closer to 50 ohms as the risetime gets longer.

The electrical length of the connector is approximately 100pS.

It is completely shielded.

Mechanical: The outer shell is nickel silver and is intended to be pressed into metal blocks, with the customer controlling the position.

Ground probes are inserted in the metal block.

A grid spacing of 2mm can be achieved with ground probes alternating with the signals.

