

Re: Measuring SMT device temps with Infrared thermometers

Some have close focus capacity, but not the ones in Mouser or at Fry's

The more expensive ones have a setting for emissivity, or you can just calculate what the true reading is (if you know the emissivity of the part under test).

True.

Or, you can just paint it black (for emissivity=1).

Not true at all. First off it would have to be a matte black, not glossy, and it will only attain about a .98 emissivity, at best. Then, there are the conductivity issues which may be a problem when "painting" a SOT23 package. Most matte black paints have a carbon based pigmentation.

These guys are the best.

<http://www.mikroninfrared.com/Default.htm>

Those look nice. Any idea of the price range?

John

.