

1N82A - Silicon Diode UHF Mixer



1N82 was a point contact UHF mixer diode registered to Sylvania in 1953. It was intended as low-noise mixer in UHF TV receiver sets in the 470 - 890 MHz band.

1N82A, with an improved noise figure of 14 db, was registered few months later to the same manufacturer.

Both the types were specified in a glass package with tinned leads, later sometimes replaced by an epoxy one. The samples in the above photos, with their ceramic cartridge typical of microwave diodes, are absolutely unusual. Almost certainly Sylvania, in response to a late request for maintenance parts, derated a lot of microwave diodes, maybe [1N21](#) or similar types.