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## **VEC-109**

### **Specifications**

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## **Product Description**

The VEC-109 features in-circuit high accuracy probing in the frequency range of 10MHz-12GHz reading accuracy of less than +/-1 dB.

It does not require special feeding and can be connected via a proper SMA Cable to any relevant measurements equipment such as spectrum analyzer, network analyzer, power meter, frequency counter etc.

- Broadband Flat response
- Integrated matched ground returns
- Negligible effect on circuitry
- Input/output DC blocked

## **Available Optional Accessories**

There are several optional accessories available for the VEC-109:

- VEC-104A – Calibration jig for best absolute power measurements accuracy.
- VEC-105A – 1meter low loss RF cable for accurate and reliable absolute high frequency measurements.



### **Electrical Specification**

Frequency Range:	10MHz - 12GHz
Max average input (probed) power:	2 watt
Max Peak (probed) power:	25 watt
Max Input Voltage:	35V DC max
Residual Insertion Loss on probed line:	1dB max
Residual Return Loss on probed line:	14dB min
Probing factor (Coupling):	25dB $\pm$ 1dB
Coupling output VSWR:	2:1 min
Equipment output Impedance:	50 ohm
Input/output DC blocked	yes

**Notes:** All Electrical performances are related to 50ohm microstrip or back grounded coplanar, with proper side grounds and matched source/load impedance. Residual and coupling parameters relates to the band 10MHz - 12GHz.

Operating Temperature : +5°C to +40°C