



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

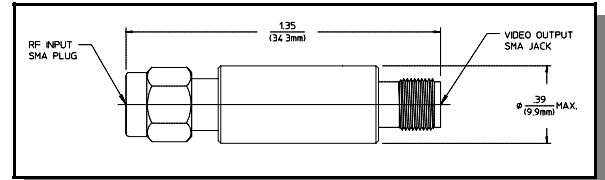




## Features

- High Output Sensitivity
- Flat Frequency Response
- Burnout Rating: 100 mW for 2086-6000-00  
200 mW for 2086-6010-00
- No Bias Required on 2086-6000-00

## Outline Drawing



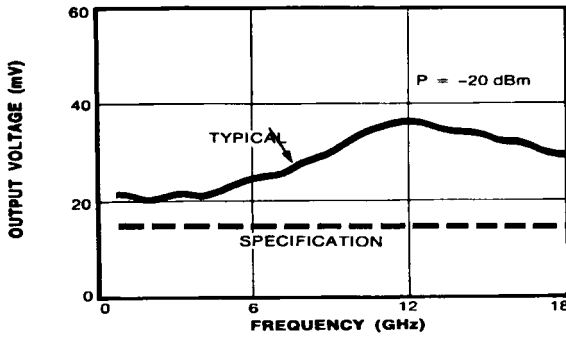
## Specifications

Part Number	2086-6000-00	2086-6010-00
Frequency Range	1.0 - 15.0 GHz	1.0 - 18.0 GHz
Flatness 1	± 1.25 dB Max.	± 1.25 dB Max.
Open Circuit Voltage Sensitivity 1	1500 mV/mW Min.	1500 mV/mW Min.
Tangential Sensitivity 2	-52 dBm Min.	-52 dBm Min.
Output Capacitance	12 pF Typ.	12 pF Typ.
Video Resistance 1	1200 Ohms Typ.	700 Ohms Typ.
Output Polarity	Negative <sup>4</sup>	Negative <sup>4</sup>
Bias Current	—	50 µA Nom.
Temperature Range	-50°C to +125°C	-65°C to +125°C
Temperature Stability	—	± 2.0 dB
Maximum Power	100 mW CW	200 mW CW

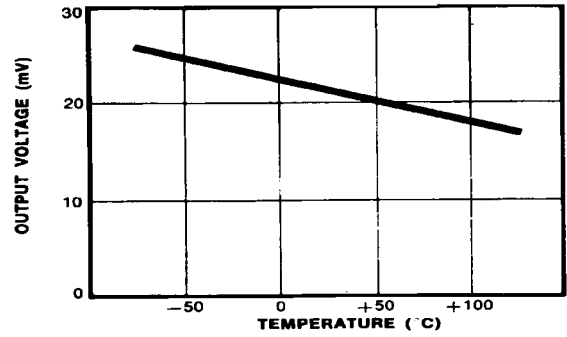
1. For RF power levels below -20 dBm, and with an open circuit load.
2. With video amplifier of 1 MHz bandwidth and 2 dB noise figure.
3. Finish is passivated stainless steel.
4. For Positive output change suffix to -13.

Typical Performance Curves

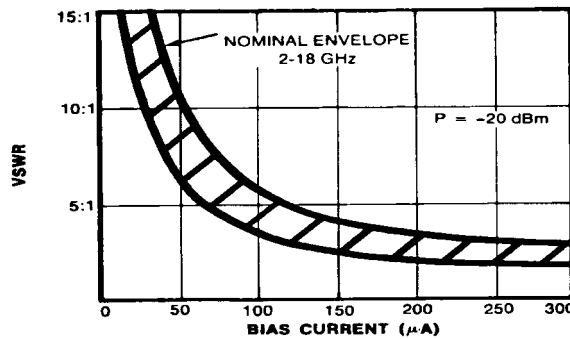
Voltage Output vs. Frequency  
2086-6010-00



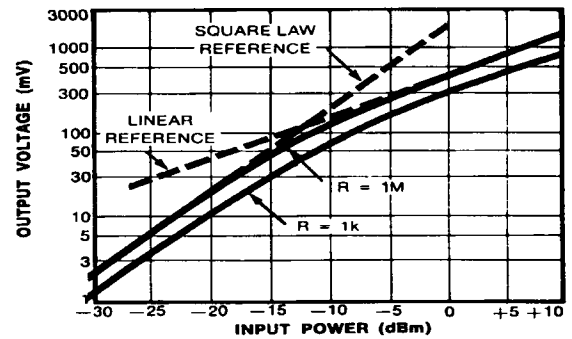
Thermal Stability  
2086-6010-00



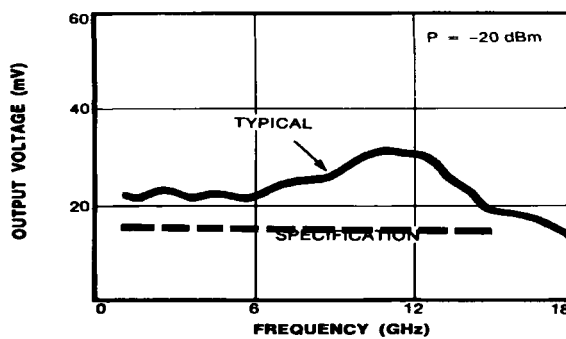
VSWR vs. Bias Current  
2086-6010-00



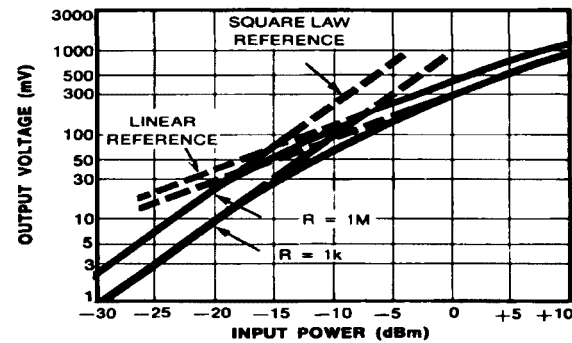
Response Function  
2086-6010-00



Voltage Output vs. Frequency  
2086-6000-00



Response Function  
2086-6000-00



Specifications subject to change without notice.

- North America: Tel. (800) 366-2266
- Asia/Pacific: Tel.+81-44-844-8296, Fax +81-44-844-8298
- Europe: Tel. +44 (1344) 869 595, Fax+44 (1344) 300 020

Visit [www.macom.com](http://www.macom.com) for additional data sheets and product information.