

Abstracts

A Balanced 11 GHz HEMT Up-Converter

P. Bura and B. Vassilakis. "A Balanced 11 GHz HEMT Up-Converter." 1989 MTT-S International Microwave Symposium Digest 89.3 (1989 Vol. III [MWSYM]): 1299-1302.

A 70 MHz to 11 GHz balanced up-converter circuit is described. HEMTs were found to be very suitable for this application due to their high gain at 11 GHz. The measured results show 7 dBm 1 dB gain compression point, 15 dBm third order intercept point, 3 dB conversion gain and 35 dB LO suppression.

 [Return to main document.](#)