



E-Band Block Converter with Integrated LO

Spacek Labs Model RE-15 is an integrated receiver which block converts an RF signal from 60 to 90 GHz down to an IF from 1 to 31 GHz. The LO frequency of 59 GHz is generated by a Gunn oscillator requiring a bias of +5 Volts @ 1 Amp. Typical conversion loss is 6 dB with a maximum of 13 dB. The LO can also be generated using a 2, 3 or 4X multiplier.