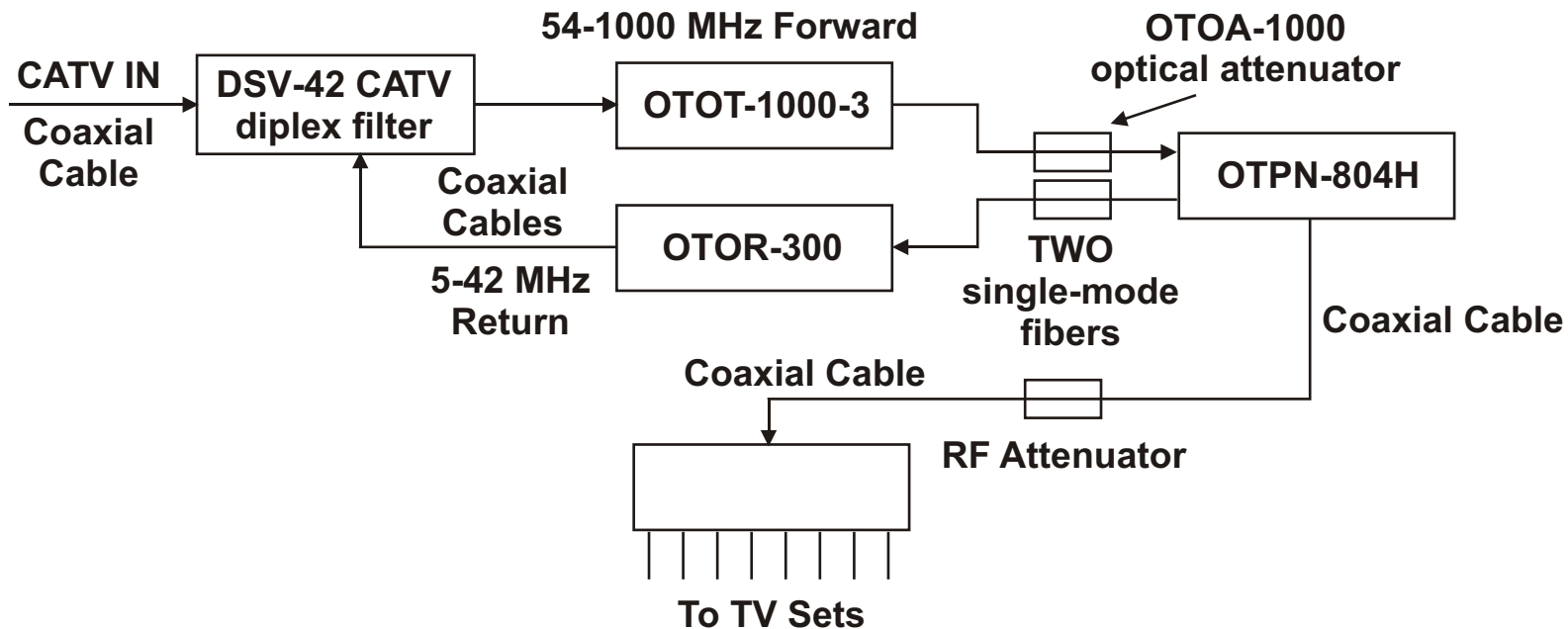


Two-Way CATV Fiber Optic Link



CATV RF Input to OTOT-1000-3 must be +18 dBmV FLAT RF signal level for all analog NTSC television channels. Optical output power of OTOT-1000-3 is +3dBm and should be attenuated to -1 dBm for optimum input level and performance of the OTPN-804C-H46-SA receiver. The coaxial RF output of the OTPN-804H will be approximately +32 to +38 dBmV on all analog channels from 2 to 78 (54 MHz to 550 MHz). An 8-port RF splitter will have a loss of approximately 11 dB. An additional 6 dB or 10 dB inline coaxial RF attenuator is needed between the RF output of the OTPN-804H and the 8-port RF splitter. The remaining RF signal level will be appropriate for the set top boxes that will decode the high-definition television signals. The DSV-42 diplex filter, RF attenuator, and 8-port optical splitter are not Olson Technology products. The CATV forward path signal from the cable company should be approximately +19 or +20 dBmV on all analog channels at the input to the diplex filter. The return signals from the OTOR-300 going to the cable company may need an inline RF attenuator pad to prevent overloading the cable TV return system.

Dual Two-way CATV Fiber Optic Link

