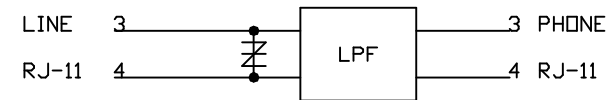
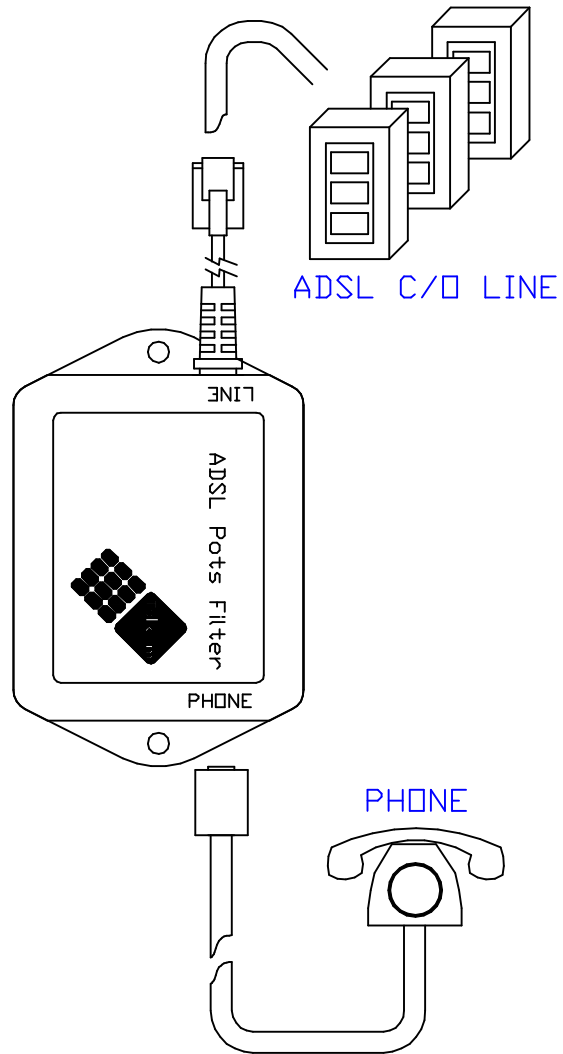


ATF053 USER MANUAL



ELECTRICAL CHARACTERISTICS : MEET ITU-T G.992.1

1. FOR COMPLEX IMPEDANCE : $220 \text{ OHM} + (820 \text{ OHM} // 115\text{nF})$
2. DCR EACH LINE : 50 OHM MAX.
3. INSERTION LOSS (@300HZ~3.4KHZ) : $1\text{dB} \sim 3.5\text{dB MAX. LINEAR REDUCTION}$
4. FREQ. PULSE METERING INSERTION LOSS (@12/16KHZ) : 3dB MAX.
5. RETURN LOSS LINE PORT (@300HZ~1KHZ) : 15dB MIN.
 (@1KHZ~3.4KHZ) : $15\text{dB} \sim 8\text{dB LINEAR REDUCTION}$
 POTS PORT (@300HZ~1KHZ) : 15dB MIN.
 (@1KHZ~3.4KHZ) : $15\text{dB} \sim 8\text{dB LINEAR REDUCTION}$
 (@3.4KHZ~10KHZ) : 8dB MIN.
6. LONGITUDINAL BALANCE (@15HZ~50HZ) : 40dB MIN.
 (@50HZ~600HZ) : 46dB MIN.
 (@600HZ~3.4KHZ) : 52dB MIN.
7. DELAY DISTORTION (@200HZ~4KHZ) : $200\mu\text{SEC MAX.}$
8. ATTENUATION (@30KHZ~100KHZ) : 18dB MIN.
 (@100KHZ~300KHZ) : 30dB MIN.
 (@300KHZ~1.1MHZ) : 40dB MIN.
9. ISOLATION (@T-R) : 10M OHM MIN.
 (@T-G, R-G) : 10M OHM MIN.
10. LOOP CURRENT : 100mA

INSTALLATION :

1. CONNECT THE PLUG OF PHONE (RJ-11) TO THE PHONE SIDE OF ATF053
2. CONNECT THE PLUG OF LINE (RJ-11) TO THE LINE SIDE OF ATF053