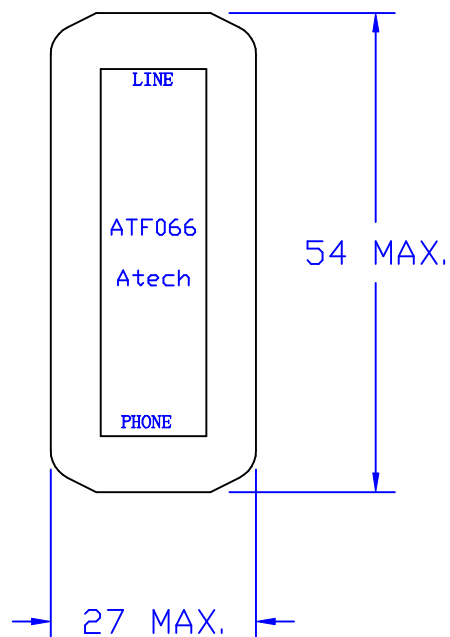
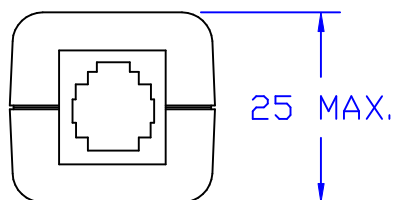


ELECTRICAL CHARACTERISTICS :

1. DCR EACH LINE : 10 OHM MAX.
2. VOICE BAND INSERTION LOSS : (@1KHz) = 1dB MAX.
3. INSERTION LOSS DISTORTION : (@200Hz) = ± 1 dB
 (@3.4KHz) = ± 1 dB
 (@4KHz) = ± 1.5 dB
4. ISDN BAND INSERTION LOSS : (@4KHz) = 1dB MAX.
 (@160KHz) = 1dB MAX.
 (@320KHz) = 4.01dB MAX.
5. VDSL BAND INSERTION LOSS : (@640KHz) = 42.17dB MIN.
 (@932KHz) = 65dB MIN.
 (@6MHz) = 65dB MIN.
 (@12MHz) = 55dB MIN.
6. VOICE BAND RETURN LOSS : (@200Hz) = 11dB MIN.
 (@1.5KHz) = 11dB MIN.
 (@2KHz) = 10dB MIN.
 (@3.4KHz) = 9dB MIN.
7. ISDN BAND RETURN LOSS : (@4KHz) = 7.03dB MIN.
 (@10KHz) = 15dB MIN.
 (@160KHz) = 15dB MIN.
 (@250KHz) = 12.23dB MIN.
8. VDSL BAND RETURN LOSS : (@640KHz) = 5.8dB MIN.
 (@1.28MHz) = 12 dB MIN.
 (@12MHz) = 12dB MIN.

						Atech® Atech Technology Co., Ltd. TEL: (02) 2794-6667 FAX: (02) 2794-8004		TITLE VDSL MICRO FILTER	
								DWG. NO. ATF066	
	RELEASE	10/14/2003	RDY	SIMON	SUEDY	UNITS: M/M	SAFETY	SHEET 1 OF 1	
NO.	DESCRIPTION	DATE	BY	CHK	APPD	DATE		DRAW <i>Pair</i>	
REVISIONS						10/14/03			