



Splitter parameter	Electrical requirements	
	Range	Values
Current voice band		
DC Loop Current		20 ~ 100mA
DC Resistance		
Tip-Ring Loop Resistance		<=25.0 ohm
Isolation resistance tip/ring		>10M ohm
Voice-band characteristic		
Insertion loss		<1.0dB
Attenuation Distortion		±1dB
Delay distortion	200Hz – 4KHz	<200µ sec
Return loss single filter	@300 – 500Hz	>14dB
	@500 – 2000Hz	>18dB
	@2000 – 3400Hz	>14dB
Longitudinal conversion loss LCL	@15 – 50Hz	>40dB
	@50 – 600Hz	>46dB
	@600 – 3400Hz	>52dB
ADSL band characteristic		
Stop band attenuation	25KHz <f<300KHz	>65dB
	300KHz<f<2.2MHz	>55dB

	Pin 1 ~ Pin 24	Pin 25	Pin 26 ~ Pin 49	Pin 50
J1	Phone 1 Ring ~ Phone 24 Ring	GND	Phone 1 Tip ~ Phone 24 Tip	GND
J2	LINE 1 Ring ~ LINE 24 Ring	GND	LINE 1 Tip ~ LINE 24 Tip	GND
J3	ADSL 1 Ring ~ ADSL 24 Ring	GND	ADSL 1 Tip ~ ADSL 24 Tip	GND
J4	Phone 25 Ring ~ Phone 48 Ring	GND	Phone 25 Tip ~ Phone 48 Tip	GND
J5	LINE 25 Ring ~ LINE 48 Ring	GND	LINE 25 Tip ~ LINE 48 Tip	GND
J6	ADSL 25 Ring ~ ADSL 48 Ring	GND	ADSL 25 Tip ~ ADSL 48 Tip	GND

						Atech®		TITLE TRANSFORMER	
						Atech Technology Co., Ltd.		DWG. NO. ATF064	
A	ADSL⇒ADSL2+	06/03/2003	PAIR	ANGEL	EUGENE	UNITS: M/M		SAFETY	
RELEASE		06/03/2003	RORY	SIMON	SUEDY	DATE		SHEET 1 OF 1	
NO	DESCRIPTION	DATE	BY	CHK	APPD	DATE		DRAW Pair	
REVISIONS						06/03/03			