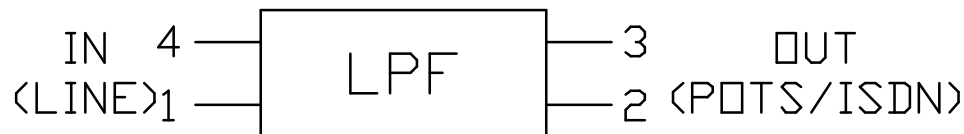
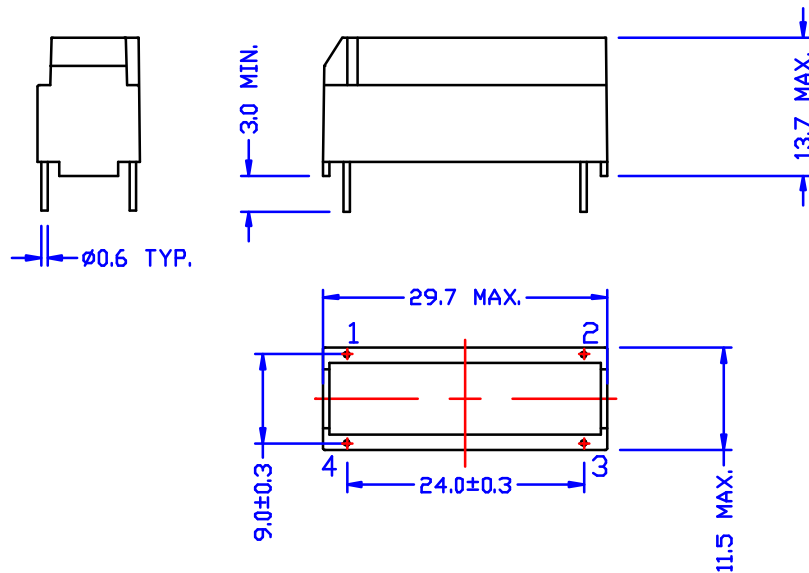


ELECTRICAL CHARACTERISTICS :

ATF095
Atech



ISDN, 4B3T	
SPEC.	FREQUENCY
< 1.2dB	f 60KHz
< 2dB	60KHz < f 80KHz
< 1.5dB	f 60KHz (without HP)
< 2.5dB	60KHz < f 80KHz (without HP)
> 55dB	138KHz f < 150KHz (ISDN → ADSL, ADSL → ISDN)
> 65dB	150KHz f 1104KHz (ISDN → ADSL, ADSL → ISDN)
> 55dB	1104KHz < f 2208KHz (ISDN → ADSL, ADSL → ISDN)
> 16dB	f 60KHz (meas. at ISDN/POTS side)
> 14dB	60KHz < f 80KHz (meas. at ISDN/POTS side)
> 12dB	f 60KHz (without HP, meas. at ISDN/POTS side)
> 10dB	60KHz < f 80KHz (without HP, meas. at ISDN/POTS side)
POTS	
SPEC.	FREQUENCY
< 1dB	f=1KHz
< 0.5dB	0.6KHz f 1.6KHz $a_E = a_E(f) - a_E(1KHz)$
< 1dB	0.3KHz f 3.4KHz
< 3dB	15KHz f 17KHz ($Z_W = 200\Omega$)
< 1dB	f=1KHz (without HP)
< 0.5dB	0.6KHz f 1.6KHz (without HP)
< 1dB	0.3KHz f 3.4KHz (without HP)
< 3dB	15KHz f 17KHz (without HP, $Z_W = 200\Omega$)
> 55dB	138KHz f 2208KHz (ISDN → ADSL, ADSL → ISDN)
> 12...15dB	0.3KHz f < 0.6KHz (meas. at ISDN/POTS side)
> 15dB	0.6KHz f 1.6KHz (meas. at ISDN/POTS side)
> 15...12dB	1.6KHz < f 3.4KHz (meas. at ISDN/POTS side)
> 12...15dB	0.3KHz f 0.6KHz (without HP, meas. at ISDN/POTS side)
> 15dB	0.6KHz f 1.6KHz (without HP, meas. at ISDN/POTS side)
> 15...12dB	1.6KHz < f 3.4KHz (without HP, meas. at ISDN/POTS side)
ISDN, 2B1Q	
SPEC.	FREQUENCY
< 0.8dB	f 40KHz
< 2dB	40KHz < f 80KHz
< 1.5dB	f 40KHz (without HP)
< 2.5dB	40KHz < f 80KHz (without HP)
> 55dB	138KHz f < 150KHz (ISDN → ADSL, ADSL → ISDN)
> 65dB	150KHz f 1104KHz (ISDN → ADSL, ADSL → ISDN)
> 55dB	1104KHz < f 2208KHz (ISDN → ADSL, ADSL → ISDN)
> 16dB	f 40KHz (meas. at ISDN/POTS side)
> 14dB	40KHz < f 80KHz (meas. at ISDN/POTS side)
> 12dB	f 40KHz (without HP, meas. at ISDN/POTS side)
> 10dB	40KHz < f 80KHz (without HP, meas. at ISDN/POTS side)
ISDN, 4B3T : $Z_{LINE} = 150\Omega$	
POTS : $Z_{LINE} = 220\Omega + (115nF/820\Omega)$	
ISDN, 2B1Q : $Z_{LINE} = 135\Omega$	
equivalence Z_{HP} : 8.2 nF + (82uH//100 Ω)	
loop current : 100mA	

						Atech® Atech Technology Co., Ltd. TEL 02-2794-6667 FAX 02-2794-0084		TITLE: ADSL, POTS/ISDN FILTER MODULE	
								DWG. NO. ATF095	
RELEASE		09/16/2005	BART	MICHAEL	SUEDY	UNITS:		SAFETY	
M/M						DATE		SHEET 1 OF 1	
DATE						09/16/05		DRAW	
Pair									
REVISIONS									