

# ADSL/POTS

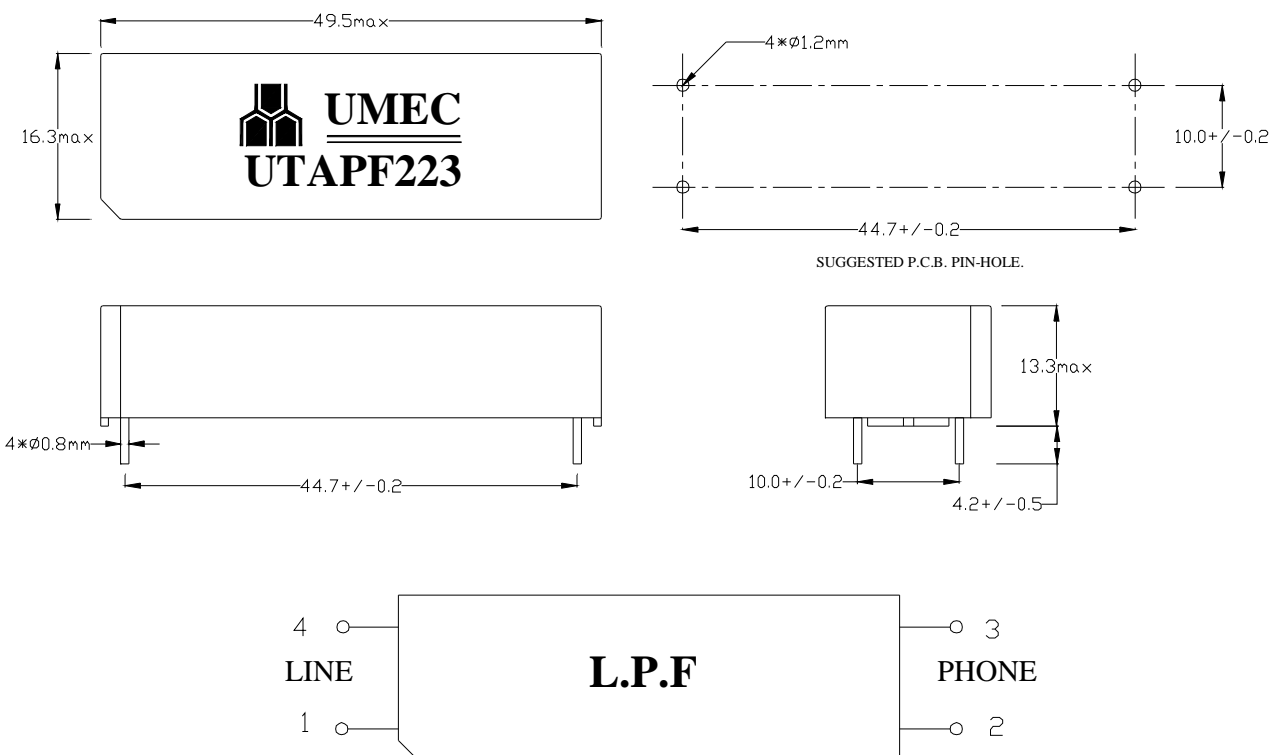
UM MODEL NO.:	SPECIFICATIONS	REV.	
UTAPF223	ADSL POTS CO SPLITTER	A1	2004/44

## Electrical specification at 25°C:

- 1.) Impedance ( $Z_R$ ) :  $220\Omega + (820\Omega // 115nF)$  .
- 2.) Total D.C.R. :  $50\Omega$  max. , PIN(2-3),PIN(1-4)connected .
- 3.) Insertion Loss :  $1.0dB$  max. ,at 1K Hz ,Line to Phone , Line with  $Z_{ADSL}$  .
- 4.) Pass Band Ripple :  $\pm 1.0dB$  max. , 100Hz to 4000Hz , 1KHz 0dB ref,Line to Phone , Line with  $Z_{ADSL}$  .
- 5.) Attenuation :  $55dB$  min. , 32KHz to 1.1MHz , Line to Phone , Line with  $Z_{ADSL}$  .
- 6.) Return Loss. :  $12dB$  min. , 100Hz to 3400Hz , Line to Phone , Line with  $Z_{ADSL}$  , Phone with  $Z_R$  .  
:  $8dB$  min. , 3400Hz to 4000Hz , Line to Phone , Line with  $Z_{ADSL}$  , Phone with  $Z_R$  .
- 7.) Longitudinal Balance :  $40dB$  min. , 100Hz to 600Hz , Line to Phone.  
:  $46dB$  min. , 600Hz to 3200Hz , Line to Phone.  
:  $40dB$  min. , 3200Hz to 4000Hz , Line to Phone.
- 8.) Group Delay :  $250\mu Sec$  max. , 100Hz to 4000Hz .
- 9.) Line Side Impedance :  $1.0K\Omega$  min. , 32KHz to 1.1MHz ,PIN(1-4) .
- 10.) Isolation resistance :  $5.0M\Omega$  min. with  $100V_{DC}$  ,PIN(1-2) to PIN(3-4) .

**Note: Designed to meet ETSI specification TS101-952-1-1 & TR 101 728-V1.2.1.**

## Schematic diagram & Dimensions:



UNIT : mm



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E10-033-C