

ADSL/POTS

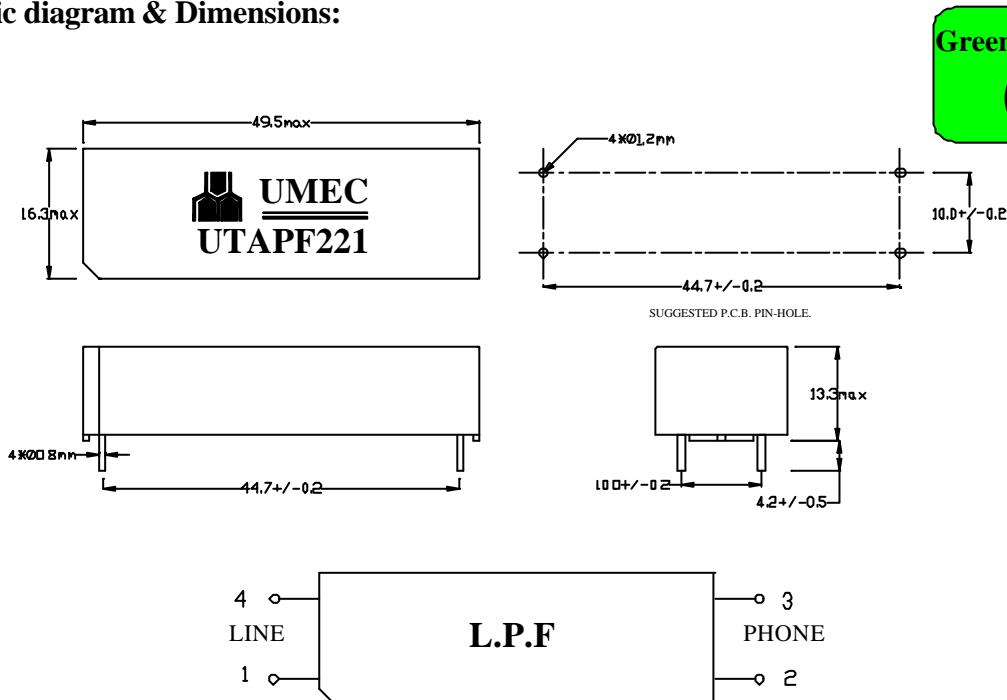
UM MODEL NO.:	SPECIFICATIONS	REV.	
UTAPF221	ADSL POTS CO SPLITTER	B1	2006/26

Electrical specification at 25°C:

- 1.) Impedance : $Z_R = 320\Omega + (1050\Omega // 230nF)$; $Z_{SL} = 82\Omega + (600\Omega // 68nF)$.
- 2.) Total D.C.R. : 50 Ω max. , PIN(2-3),PIN(1-4)connected .
- 3.) Insertion Loss : 1.0dB max. ,at 1K Hz ,Line to Phone ,Line with Z_{ADSL} , terminated impedance with $Z_R / 600\Omega$.
- 4.) Pass Band Ripple : $\pm 1.0dB$ max. , 100Hz to 4000Hz , 1KHz 0dB ref,
Line to Phone , Line with Z_{ADSL} , terminated impedance with $Z_R / 600\Omega$.
- 5.) Attenuation : 55dB min. , 32KHz to 1.1MHz , Line to Phone , Line with Z_{ADSL} .
- 6.) Return Loss. : 12dB min.,100Hz to 3400Hz ,Line \leftrightarrow Phone ,Line with Z_{ADSL} ,terminated impedance with Z_R / Z_{SL} .
: 8dB min. ,3400Hz to 4000Hz ,Line \leftrightarrow Phone ,Line with Z_{ADSL} ,terminated impedance with Z_R / Z_{SL} .
- 7.) Longitudinal Balance : 40dB min. , 100Hz to 600Hz , Line to Phone.
: 46dB min. , 600Hz to 3400Hz , Line to Phone.
: 40dB min. , 3400Hz to 4000Hz , Line to Phone.
- 8.) Group Delay : 250 μ Sec max. , 100Hz to 4000Hz .
- 9.) Line Side Impedance : 1.0K Ω min. , 32KHz to 1.1MHz ,PIN(1-4) .
- 10.) Isolation resistance : 5.0M Ω 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:



- NOTE : 1. For RoHS compliant products:
- a.) UMEC Ordering Code: **TG-UTAPF221**
 - b.) Date Code suffix to "G" (xxxxG).
 - c.) Solder: Sn/Cu.
2. Specifications are subject to change without prior notice.

UNIT : mm



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