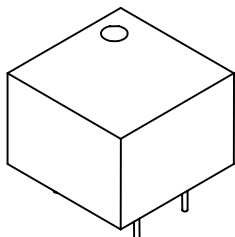
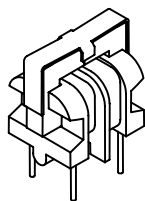




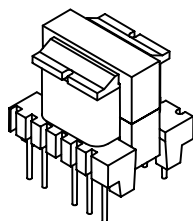
## POWER LINE COMMUNICATION COUPLING TRANSFORMERS



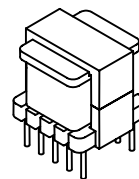
74710



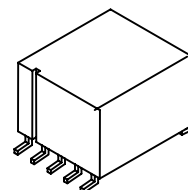
74711



74712



74713



74714 - 74715

### Designed for coupling signals to power line

Adapted for use with Modem Circuits : [ST7537](#) or [TDA5051](#) or [IC/SS](#)

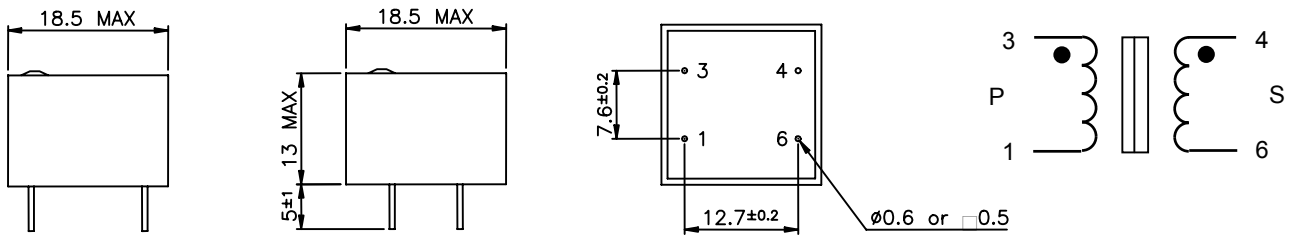
Models 74710 and 74711 are designed for resonance at 132.5 kHz between the series coupling capacitor ( 33nF) and the transformer leakage inductance.

Models 74712 and 74713 are designed for resonance at 132.5 kHz between the capacitor (6.8nF or 10nF) in parallel with the primary magnetizing inductance.

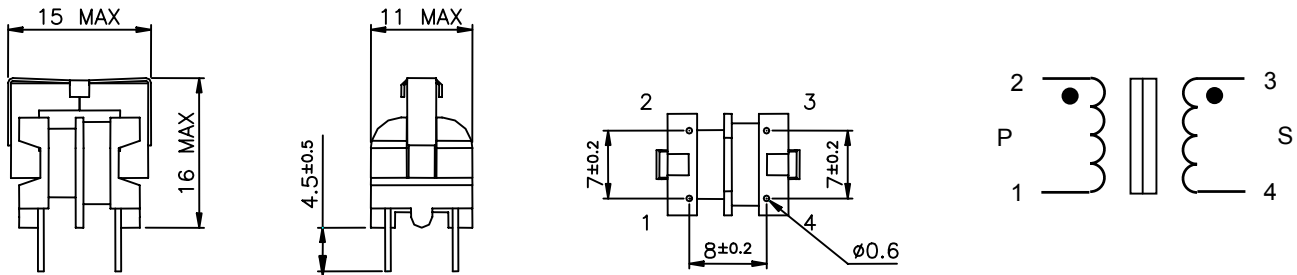
MYRRA Part N°	Primary Inductance ( $\mu$ H )	Leakage Inductance ( $\mu$ H )	Resistance per winding P / S (max)	Frequency range	Turns ratio P / S	Max Sec. current (50-60Hz rms)	Insulation (Vrms)	Size
74710	2.0 mH +/-40% (1 - 3)	44 +/-7%	0.6 $\Omega$ / 0.6 $\Omega$	10 - 450kHz	1 / 1	10 mA	4000	EF16-H-4P
74711	2.9 mH +/-40% (1 - 2)	44 +/-7%	1 $\Omega$ / 1 $\Omega$	10 - 200kHz	1 / 1	4 mA	1500	U9.8-4P
74712	212 $\mu$ H +/-10% (2 - 5)	< 5 $\mu$ H (2 - 5)	0.8 $\Omega$ / 0.04 $\Omega$	10kHz - 1MHz	5+1 / 1	500 mA	4000	E16-V-10P
74713	144 $\mu$ H +/-10% (2 - 5)	< 5 $\mu$ H	0.5 $\Omega$ / 0.5 $\Omega$	10 - 450kHz	5+1 / 5+1	200 mA	1500	E13-V-10P
74714	1.3 mH +/-40% (2 - 4)	< 0.5 $\mu$ H	0.2 $\Omega$ / 0.2 $\Omega$	10 - 200kHz	1 / 1	4 mA	5500	T10-SMD
74715	3.0 $\mu$ H +/-25% (2 - 4)	< 0.1 $\mu$ H	0.06 $\Omega$ / 0.1 $\Omega$	1 - 20 MHz	2 / 1+1	200 mA	4000	T10-SMD

**Safety :** All products meet IEC 60950 and IEC60558 requirements  
 74710, 74714 and 74715 : reinforced insulation, creepage distance > 8 mm  
 74712 : reinforced insulation, creepage distance > 6 mm  
 74711, 74713 : Fonctionnal insulation

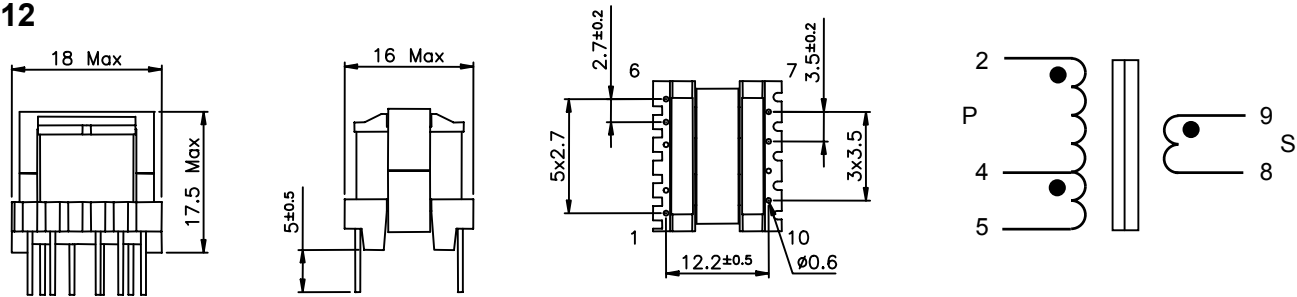
## 74710



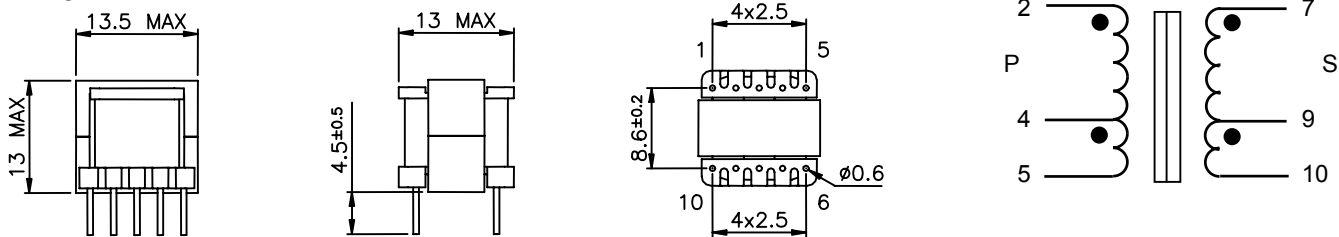
## 74711



## 74712



## 74713



## 74714, 74715

