

ADSL interface transformer

for Texas Instruments IC AC6 EP 7, 400.3 μ H, 1.93:1.93:1:1

Ordering code: B78417A1765A003

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ADSL interface, CO

EP 7

SMD

Application

- Matched to Texas Instruments IC AC6
- Annex A

Feature

■ RoHS-compatible

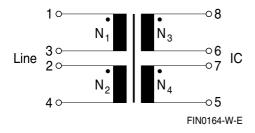
Marking

Manufacturer, middle block of ordering code, date code

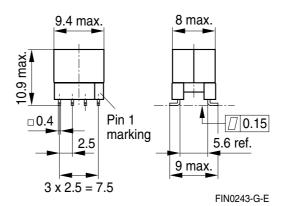
Delivery mode and packing unit

- 24-mm blister tape
- Packing unit: 320 pcs.

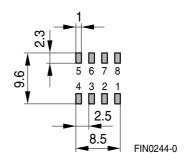
Pinning



Dimensional drawing



Layout recommendation



Dimensions in mm



Transformers for information technology (xDSL)	B78417A1765A003
ADSL interface, CO	EP 7

SMD

Technical data and measuring conditions

Main inductance L (1-4)	10 kHz, 100 mV, short 2-3	
Stray inductance L _{stray} (1-4)	100 kHz, 100 mV, short 2-3, 5-6-7-8	
Interwinding capacitance C _i (1-8)	100 kHz, 100 mV, short 2-3, 6-7	
Resistance R _{DC (Line)} ; R _{DC (IC)}	R _{DC (Line)} : short 2-3; R _{DC (IC)} : short 6-7	
Test voltage V _{test}	50 Hz, 1 s; N ₁ , N ₂ against N ₃ , N ₄	
Longitudinal balance	100 kHz, 0.1 V	
Total harmonic distortion THD	100 kHz, 5.3 V	
Operating temperature range	−40 °C +85 °C	
Weight	Approx. 2.0 g	

Characteristics and ordering code

(electrical specifications at 25 °C)

Ordering code	B78417A1765A003		
Type/Core	EP 7		
$N_1 : N_2 : N_3 : N_4$	1.93 : 1.93 : 1 : 1	1.93 : 1.93 : 1 : 1	
L	400.3 ±5%	μН	
L _{stray}	< 5	μΗ	
C _W (typ.)	30	pF	
R _{DC (Line} (typ.)	0.9	Ω	
R _{DC (IC)} (typ.)	0.9	Ω	
V _{test}	1500	V AC	
Longitudinal balance (typ.)	> 55	dB	
THD (typ.)	85	dB	



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