

INDUCTIVE COMPONENTS FOR TELECOMMUNICATION

STANDARD CORE DIMENSIONS & SPECIFICATIONS

AMP Series Telecommunication Products

Part No.	Finished Core(mm) ①			L _{eff} ② (mm)	A _{eff} ③ (mm ²)	A _{LO} ④ (μH)	A _{LV} ⑤ (μH)	Remark
	OD	ID	HT					
AMP-10S-32	11.1	5.1	5.8	25.5	6.1	26.0 ^{a)}	-	S _{2M}
AMP-10B-30	11.1	5.3	7.6	25.5	8.2	20.7 ^{a)}	14.1 ^{b)}	S _o (1mA),4kV
AMP-10S-18	11.1	5.1	5.8	25.5	6.1	18.4 ^{a)}	12.4 ^{c)}	S _o (3mA)
AMP-06A-12 *	6.8	3.0	4.1	15.0	3.8	9.8 ^{a)}	6.9 ^{d)}	S _o (4mA)
AMP-10S-14	11.1	5.1	5.8	25.5	6.1	8.9 ^{a)}	6.1 ^{e)}	S _o (5mA)
AMP-07A-08 *	7.5	3.0	4.2	15.9	5.2	-	0.6 ^{f)}	U _{PO} ,DSL
AMP-10S-03	11.1	5.1	5.8	25.5	6.1	-	0.315-0.385 ^{g)}	U _{KO} (4B3T), DSL

Note 1:

- 1) The finished core dimensions shows a limiting ones.
- 2) Nominal values of magnetic path length.
- 3) Nominal values of cross-section area.
- 4) Minimum value. Initial nominal inductance.
- 5) Minimum value under the dc bias current.
- 6) Typical application area.

Note 2:

- a) 10kHz
- b) 20kHz, I_{dc} × N=19mA
- c) 20kHz, I_{dc} × N=66mA
- d) 20kHz, I_{dc} × N=120mA
- e) 20kHz, I_{dc} × N=145mA
- f) 20kHz, I_{dc} × N=450mA
- g) 20kHz, I_{dc} × N=10.2A

Note 3:

* Parylene coated product on encapsulated with aluminum case. The other products are produced with plastic ones.