



MULTIPORT E1/T1, ISDN-PRI TRANSFORMERS

AET, APT SERIES

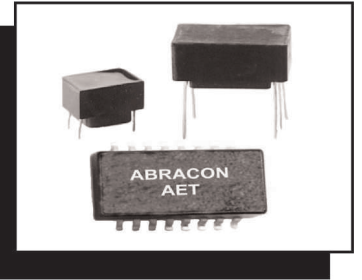
STANDARD SPECIFICATIONS ⁹

FOUR PORT							
Part Number	Turns Ratio (±2%)		OCL mH (MIN)	C _{ww} pF (MAX)	L _L mH (MAX)	Cir	Pkg
	Tx	Rx					
AET-119	1:2	2CT:1	1.2	35	0.6	5	B
AET-120	1CT:1	1:1CT	1.2	35	0.6	6	B
APT-108	1:2.4	1:1	1.0	35	0.6	7	B
APT-109	1:2CT	1CT:2	1.2	35	0.6	6	B
APT-116 ³	1:2.42	1:2.42	0.6	35	0.6	8	B
DUAL PORT							
AET-101	1CT:2CT	1CT:2CT	1.5 (16-14, 6-8)	45	0.6	1	A
AET-102	1CT:2CT	1CT:1CT	1.5 (1-3, 11-9)	45	0.5	1	A
AET-103	1CT:1.41CT	1.41CT:1CT	1.28 (1-3, 11-9)	30	0.8	1	A
AET-104	1CT:1.15CT	1.15CT:1CT	1.5 (1-3, 11-9)	45	0.5	1	A
AET-105	1.15CT:1	1:2CT	1.5 (16-14, 6-8)	40	0.5	2	A
AET-106	1CT:1.25/1.15	1CT:2CT	1.5 (16-14, 6-8)	40	0.5	1	A
AET-107	2CT:1CT	1CT:2CT	1.2 (16-14, 6-8)	30	0.6	1	A
AET-108	1CT:1CT	1CT:1.36CT	1.2 (16-14, 6-8)	30	0.6	1	A
AET-109	1CT:1.15CT	1CT:1.15CT	1.2 (1-3, 6-8)	30	0.6	1	A
AET-110	1.15CT:1	1CT:2CT	1.2 (16-14, 6-8)	30	0.6	3	A
AET-111	1.41CT:1CT	1.41CT:1CT	1.0 (16-14, 11-9)	30	0.6	1	A
AET-112	1CT:2.42CT	1CT:2.42CT	1.2 (1-3, 6-8)	25	0.6	1	A
AET-113	1CT:2CT	1:1.36CT	1.2 (16-14, 6-8)	30	0.6	4	A
AET-114	1.36CT:1	1:2CT	1.5 (16-14, 6-8)	40	0.5	2	A
AET-115	1CT:2.42CT	1CT:1CT	1.0 (1-3, 11-9)	30	0.8	1	A
AET-116	1/1.26:1	1CT:2CT	1.2 (16-14, 6-8)	30	0.6	3	A
AET-117	1CT:1CT	1CT:1.5CT	1.0 (16-14, 6-8)	30	0.6	1	A
AET-118	2CT:1CT	1:1.36CT	1.2 (16-14, 6-8)	30	0.6	4	A
SINGLE PORT							
	Turns Ratio	DCR	OCL	C _{ww}	L _L	Cir	Pkg
APT-6015	1CT:1	0.7/0.7	1.2 (1-3-5)	25	0.8	9	C
APT-6016	1CT:2CT	0.7/1.2	1.2 (1-3-5)	30	0.5	10	C
APT-6017	1:1.41CT	0.7/0.8	1.2(1-5)	35	0.8	11	C
APT-6018	1:1/1.26	0.7/0.9	1.5 (2-6)	40	0.4	9	C
APT-6019	1:1.36CT	0.7/0.9	1.2 (1-5)	35	0.8	11	C
APT-6020	1:2.3CT	0.7/1.7	1.2 (1-5)	35	0.5	11	C
APT-6021	1:2CT	0.7/1.2	1.2 (2-6)	35	0.5	9	C
S-INTERFACE							
	Turns Ratio	DCR	OCL	C _{ww}	L _L	Cir	Pkg
AET-125 ³	1:1:2:2	2.4/4.2	22.0 (1-4, 5-8)	85	5.0	12	E
AET-126	1:1:2:2	2.4/4.2	22.0 (1-4)	85	5.0	13	F
AET-201 ⁴	1CT:1CT	2.4/2.4	22.0 (1-3)	100	5.0	14	D
AET-202 ⁴	1:1:2.5:2.5	2.5/5.8	22.0 (1-4)	100	40	17	D
APT-112 ⁵	1CT:1CT	0.7/0.5	1.2 (1-5)	25	0.8	15	D
APT-113 ⁵	1.37CT:1	0.7/0.5	1.2 (10-6)	35	0.8	16	D

NOTES: See facing page

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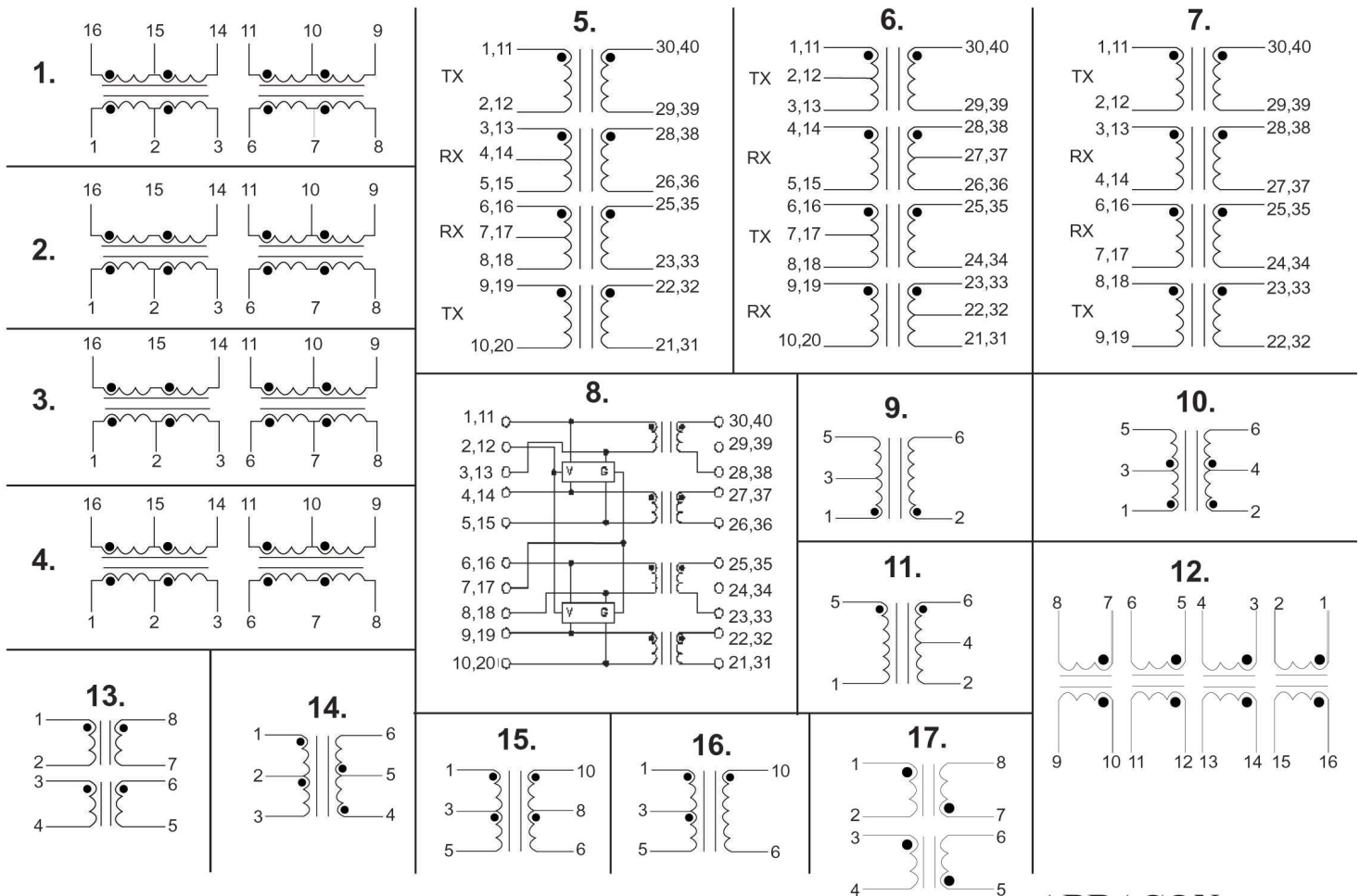
Test Conditions:

- A. OCL: Open Circuit Inductance measured at 10 KHz with 100 mVRMS across the entire winding segment
 B. DWV: 1,500 VRMS for 1 minute min; greater isolation voltages available

Notes:

1. "CT" indicates a center-tapped winding, otherwise readings are intended to be across entire winding segment
2. Turns Ratios are specified as: "Transceiver.Media", unless otherwise designated
3. Includes IC protective array
4. OCL measured at 10 KHz with 100 mVRMS and IDC= 1.0 mA
5. DWV rated at 2,000 VRMS
6. DWV rated at 3,000 VRMS
7. Dimensions: inches / mm; see spec sheet for tolerance limits
8. Specifications subject to change without notice
9. Operating temperature: -40°C to 85°C

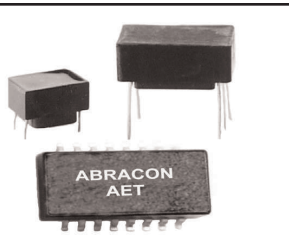
CIRCUITS:



ABRACON IS
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CERTIFIED

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ABRACON
CORPORATION



MULTIPORT E1/T1, ISDN-PRI TRANSFORMERS

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PHYSICAL CHARACTERISTICS ¹⁰

Notes:

7. Dimensions: inches / mm; see spec sheet for tolerance limits
8. Specifications subject to change without notice

PACKAGES

