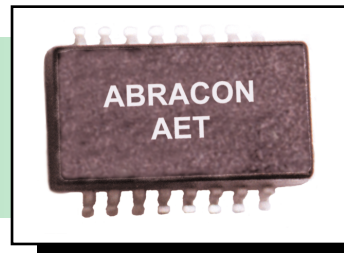


SINGLE-PORT E1/T1/ISDN-PRI and S-INTERFACE TRANSFORMERS



- * Supports ITU-T G.703 and I.430 Requirements
- * Excellent Longitudinal Balance
- * Surface Mountable Configurations
- * Designs Support Industry Standard Transceiver ICs
- * Excellent Coupling Coefficient
- * Operating Temperature Range of -40°C to 85°C Available

PERFORMANCE SPECIFICATIONS @25

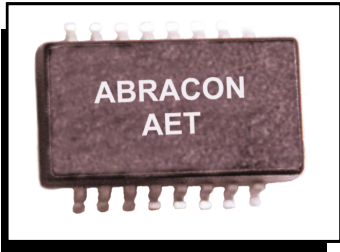
Part Number	Turns Ratio ^{1,2} (± 2%)	DCR (Ω MAX)	OCL (mH MIN)	C _{ww} (pF MAX)	L _L (uH MAX)	Cir.	Pkg.
SINGLE PORT							
APT-6015	1CT:1	0.7/0.7	1.2 (1-3-5)	25	0.8	9	C
APT-6016	1CT:2CT	0.7/1.2	1.2 (1-3-5)	30	0.5	10	C
APT-6017	1:1.4CT	0.7/0.8	1.2 (1-5)	35	0.8	11	C
APT-6018	1:1/1.26	0.7/0.9	1.5 (2-6)	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 PORT							
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 (1-2-3)	100	5.0	14	D
AET-202 ⁴	1:1:2.5:2.5	2.5/5.8	22.0 (1-2-3-4)	100	40	17	D
APT-112 ⁵	1CT:1CT	0.7/0.5	1.2 (1-3-5)	25	0.8	15	D
APT-113 ⁵	1.37CT:1	0.7/0.5	1.2 (10-6)	35	0.8	16	D

Test Conditions:

1. OCL: Open Circuit Inductance measured at 10 KHz with 100 mV_{RMS} across the entire winding segment
2. DWV: 1,500 V_{RMS} for 1 minute min; greater isolation voltages available

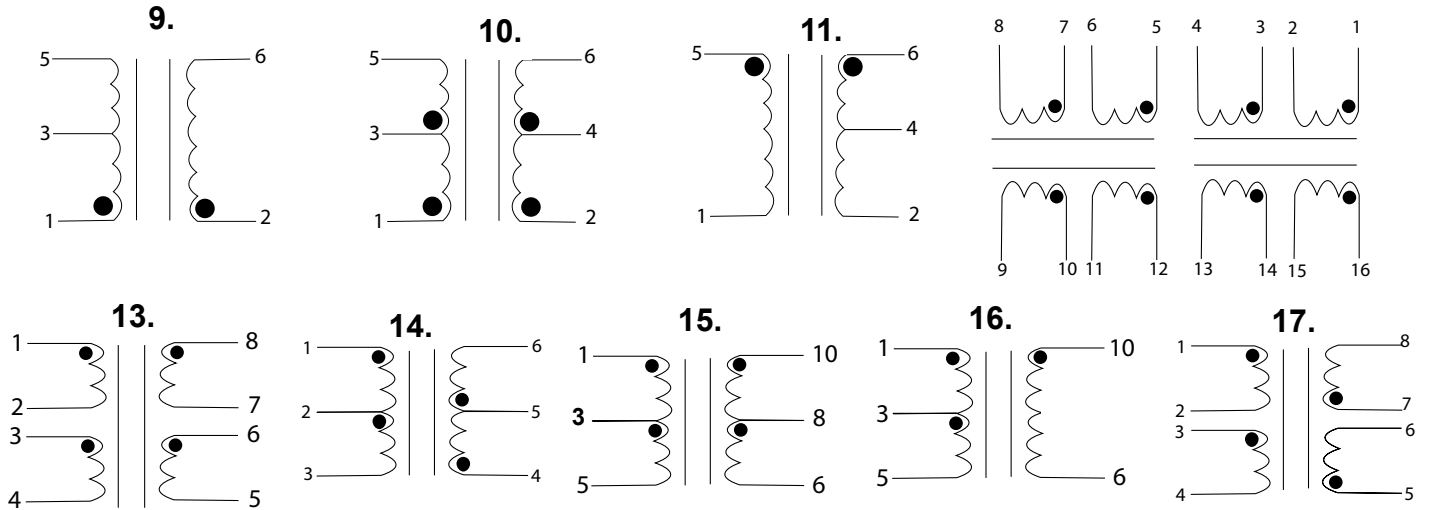
Notes:

1. "CT" indicates a center-tapped winding, otherwise, readings are intended to be across the entire winding segment
2. Turns Ratios are specified as: "Transceiver:Media", unless otherwise designated
3. OCL measured at 10 KHz with 100mV_{RMS} and I_{DC}=1.0 mA
4. DWV rated at 2,000 V_{RMS}
5. DWV rated at 3,000 V_{RMS}

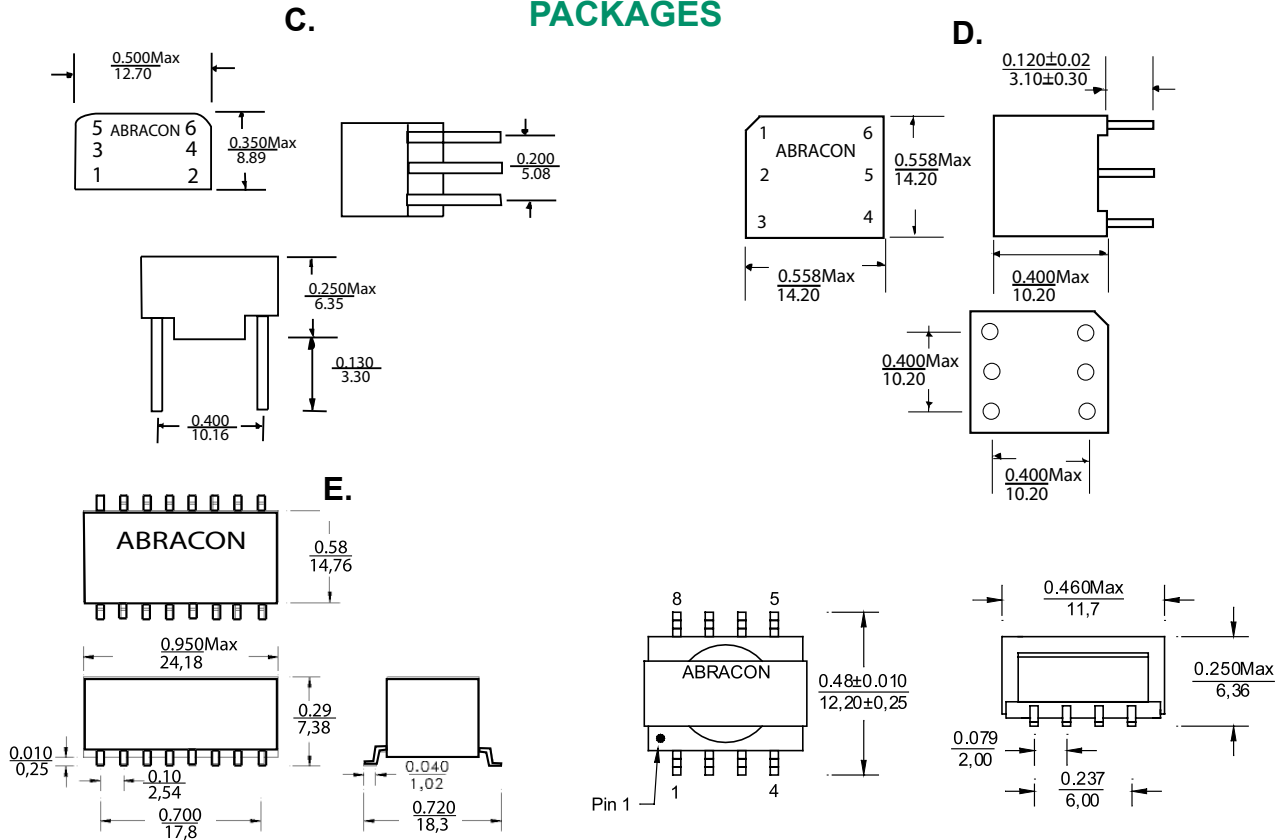


SINGLE-PORT E1/T1/ISDN-PRI and S-INTERFACE TRANSFORMERS

CIRCUITS



PACKAGES



**ABRACON IS
ISO 9001 / QS 9000
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