



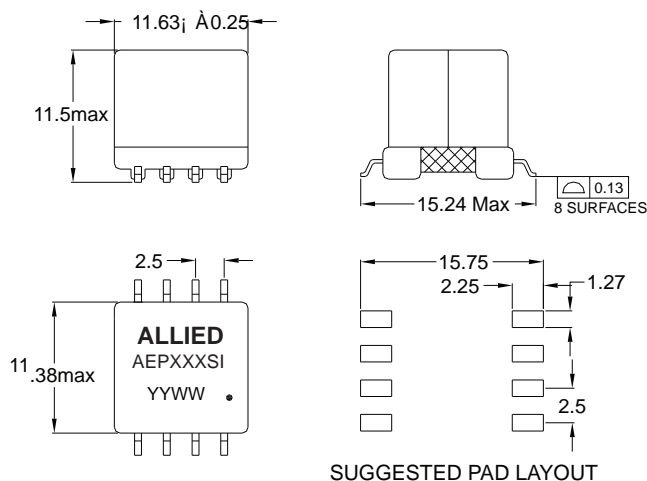
EP10 HIGH FREQUENCY PoE TRANSFORMERS

- Designed for Power over Ethernet Applications
- EP10 Core Design
- 7~10 Watt Power Rating Available
- 8 Pin SMD
- Operating Temperature -40°C to +85°C
- Custom Designs Available

Part Number	Application	Turns Ratio			Primary Secondary Isolation	Primary Inductance (μ H 10%)	Leakage Inductance (μ H MAX)	DCR (m Ω MAX)				
		Pri.	Sec.	Pri. Aux.				Pri. Aux.	Sec. A	Sec. B		
AEP311SI	Vin=36-72v, Freq.=300kHz Vout=3.3v/10W, 5.0v/100mA	1	0.100	0.150	1500Vdc Operational	25.2	2.0	250	20	3.25	N/A	
AEP312SI	Vin=33-57v, Freq.=200kHz Vout=3.3v/7W, 8v/20mA	1	0.083	0.208		253	7.5	420	115	7.5	N/A	
AEP316SI	Vin=33-57v, Freq.=200kHz Vout=1.8v/1A, 3.3v/1.5A, 12v/20mA	1	.0420 (1.8v) .0625 (3.3v)	0.271		253	8.5	420	335	(1.8v)	(3.3v)	
AEP351SI	Vin=33-57v, Freq.=200kHz Vout=3.3v/7W, 12v/20mA	1	0.182	0.682		155	5.0	530	900	31	N/A	
AEP355SI	Vin=9-50v, Freq.=200kHz Vout=3.3v/10W, 8v/20mA	1	0.222	0.555		20.4	1.5	80	150	7.5	N/A	
AEP358SI	Vin=33-57v, Freq.=200kHz Vout=3.3v/10W, 5v/20mA	1	0.444	0.388		1500Vrms Operational	20.4	1.5	80	105	30	N/A
AEP331SI	Vin=33-57v, Freq.=200kHz Vout=5.0v/7W, 8v/20mA	1	0.125	0.208			253	7.5	420	115	16	N/A
AEP335SI	Vin=33-57v, Freq.=200kHz Vout=5.0v/7W, 12v/20mA	1	0.273	0.682			155	5.0	570	1000	40	N/A
AEP339SI	Vin=33-57v, Freq.=200kHz Vout=12v/7W, 8v/20mA	1	0.286	0.204			264	7.5	800	115	45	N/A
AEP340SI	Vin=33-57v, Freq.=200kHz Vout=12v/7W, 12v/20mA	1	0.682	0.682			155	5.0	540	920	370	N/A

All specifications subject to change without notice.

MECHANICAL

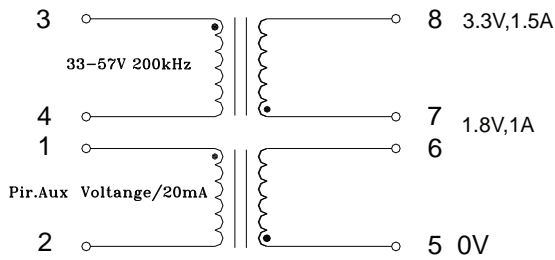




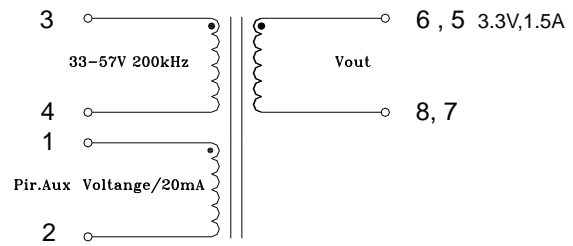
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SCHEMATICS

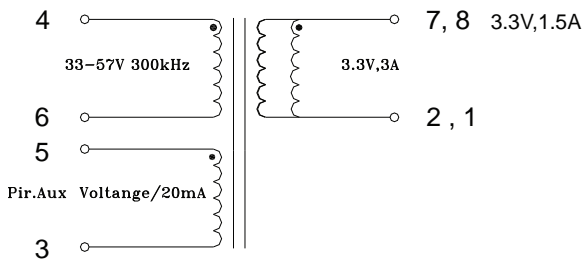
AEP316SI



AEP312SI, AEP331SI, AEP339SI, AEP351SI,
AEP335SI, AEP340SI



AEP311SI



AEP355SI, AEP358SI

