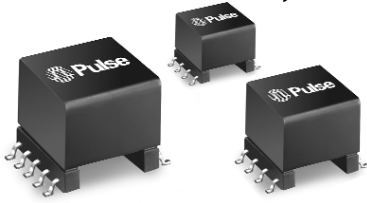


HIGH FREQUENCY CONVENTIONAL TRANSFORMERS

EP Platforms - EP7, EP10 and EP13



- Ideal for PoE
- Power: 3W to 15W
- Three different SMT platforms
- Custom designs available

Electrical Specifications @ 25°C — Operating Temperature -40°C to 125°C

Part Number	Application ²	Turns Ratio			Primary Secondary Isolation	Primary Inductance (μH ±10%)	Leakage Inductance (μH MAX)	DCR (mΩ MAX)			
		Pri.	Sec.	Pri. Aux.				Pri.	Pri. Aux.	Sec. A	Sec. B
EP7 - 8 PIN SMT - (13.2MM x 10.7MM x 11.4MM MAX)											
PA1130	3W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=3.3v/3W, 8v/20mA	1	0.083	0.208	1500Vrms Operational	500	7.5	1750	215	15	N/A
PA1279	3W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=3.3v/3W, 12v/20mA	1	0.182	0.682		310	5	1600	2600	45	N/A
PA1131	3W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=5.0v/3W, 8v/20mA	1	0.125	0.208		500	7.5	1750	215	35	N/A
PA1280	3W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=5.0v/3W, 12v/20mA	1	0.273	0.682		310	5	1600	2650	87	N/A
PA1132	3W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=12v/3W, 8v/20mA	1	0.286	0.204		521	7.5	1750	220	100	N/A
PA1281	3W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=12v/3W, 12v/20mA	1	0.682	0.682		310	5	1600	2600	550	N/A
EP10 - 8 PIN SMT - (15.2MM x 12.7MM x 11.4MM MAX)											
PB2115	10W Flyback Transformer Vin=36-72v, Freq.=300kHz Vout=3.3v/10W, 5.0v/100mA	1	0.100	0.150	1500Vrms Operational	25.2	2	250	20	3.25	N/A
PA1133	7W Flyback Transformer 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
PA1253	7W Flyback Transformer 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	5.5 (1.8v) 6.8 (3.3v)	
PA1282	7W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=3.3v/7W, 12v/20mA	1	0.182	0.682		155	5	530	900	31	N/A
PA1277	10W Flyback Transformer 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
PA1134	7W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=5.0v/7W, 8v/20mA	1	0.125	0.208		253	7.5	420	115	16	N/A
PA1283	7W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=5.0v/7W, 12v/20mA	1	0.273	0.682		155	5	570	1000	40	N/A
PA1135	7W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=12v/7W, 8v/20mA	1	0.286	0.204		264	7.5	800	115	45	N/A
PA1284	7W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=12v/7W, 12v/20mA	1	0.682	0.682		155	5	540	920	370	N/A

(Continued on next page)

HIGH FREQUENCY CONVENTIONAL TRANSFORMERS

EP Platforms - EP7, EP10 and EP13



Electrical Specifications @ 25°C — Operating Temperature -40°C to 125°C — (continued from front page)

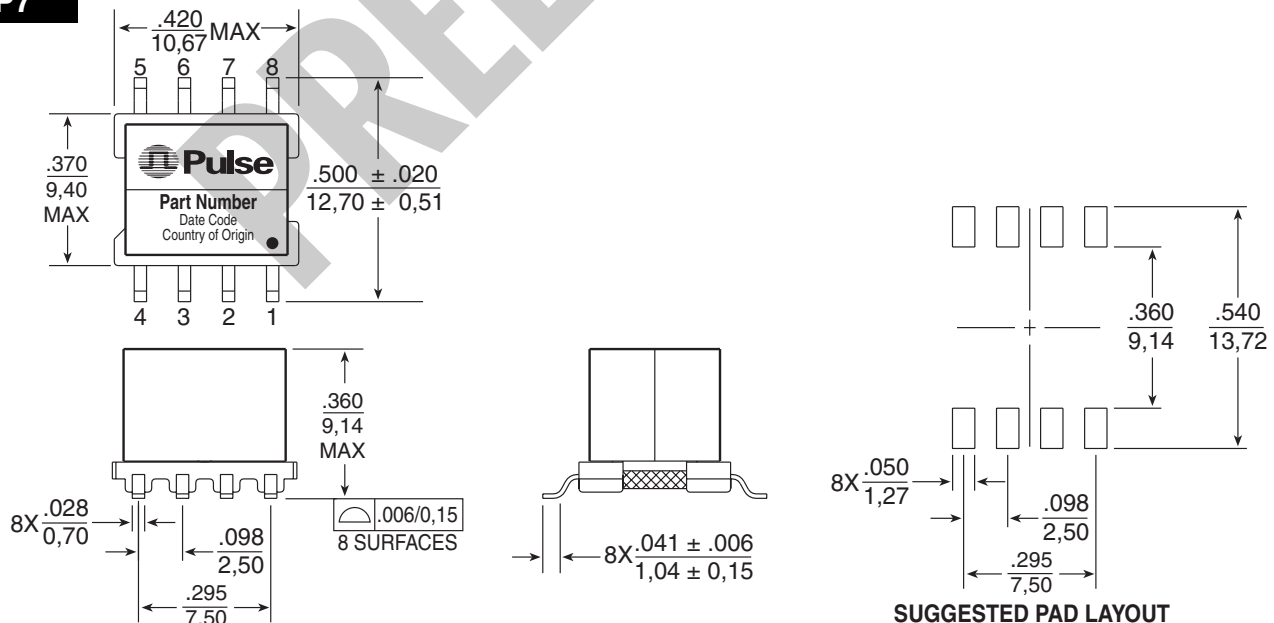
Part Number	Application ²	Turns Ratio			Primary Secondary Isolation	Primary Inductance (μH ±10%)	Leakage Inductance (μH MAX)	DCR (mΩ MAX)			
		Pri.	Sec.	Pri. Aux.				Pri.	Pri. Aux.	Sec. A	Sec. B
EP13 - 10 PIN SMT - (17.8MM x 13.0MM x 12.7MM MAX)											
PA1136	13.5W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=3.3v/13.5W, 8v/20mA	1	0.083	0.208	1500Vrms Operational	127	7.5	440	88	6	N/A
PA1267	13.5W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=3.3v/11W, 12v/20mA	1	0.167	0.639		155.5	5	330	650	11	N/A
PA1269	13.5W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=3.3v/13.5W, 12v/20mA	1	0.182	0.682		77.4	5	100	270	8.5	N/A
PA1137	13.5W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=5.0v/13.5W, 8v/20mA	1	0.125	0.208		127	7.5	460	94	12	N/A
PA1260	13.5W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=5.0v/13.5W, 12v/20mA	1	0.273	0.682		77.4	0.8	220	250	18	N/A
PA1138	13.5W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=12v/13.5W, 8v/20mA	1	0.292	0.208		127	7.5	460	94	55	N/A
PA1276	13.5W Flyback Transformer Vin=33-57v, Freq.=200kHz Vout=12v/13.5W, 12v/20mA	1	0.682	0.682		77.4	5	100	270	75	N/A

Notes:

- The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.
- The above transformers have been tested and approved by Pulse's power IC partners and are sited in the appropriate datasheet or evaluation board documentation at these companies.
- To determine which IC and IC partners are matched with the above Pulse part numbers please consult the IC Cross Reference on the Pulse website.
- Add 'T' suffix to the part number for Tape & Reel version (ie: PA0699T).

Mechanical

EP7



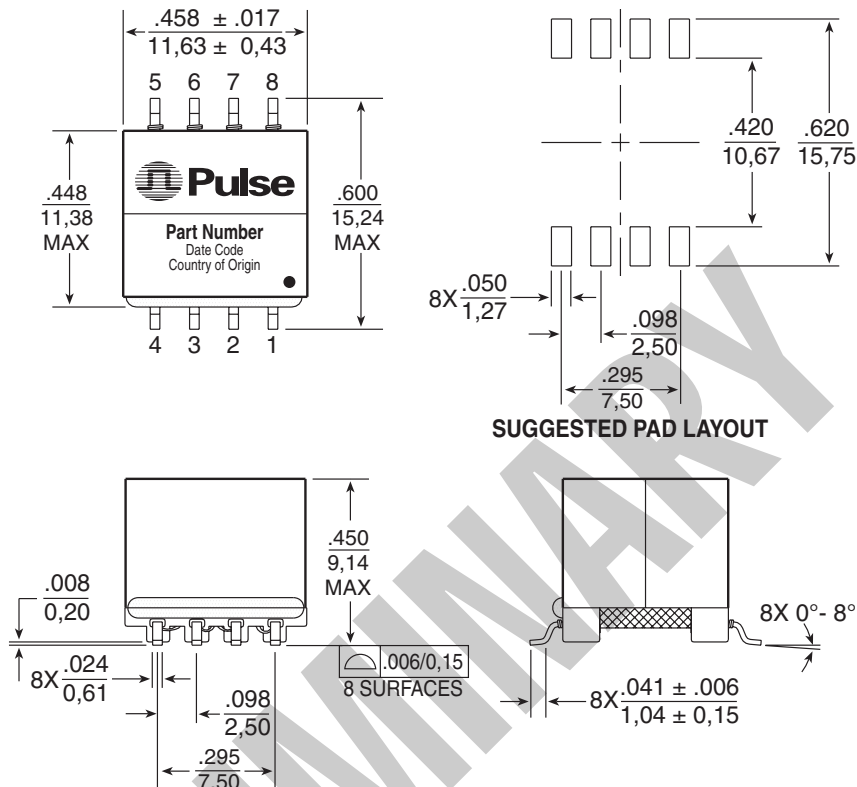
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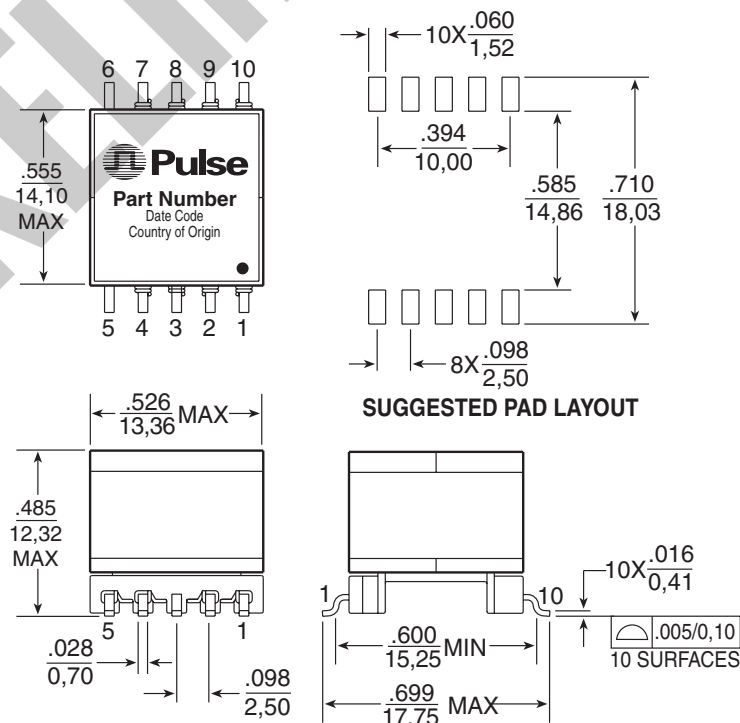


Mechanicals

EP10



EP13



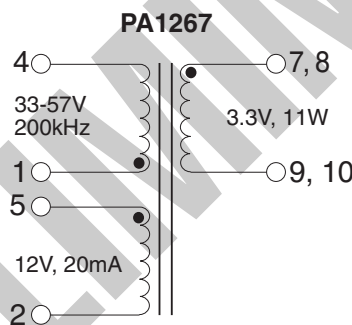
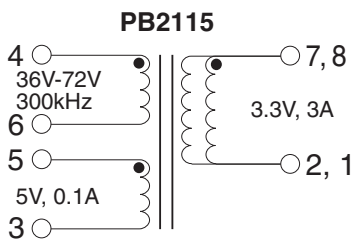
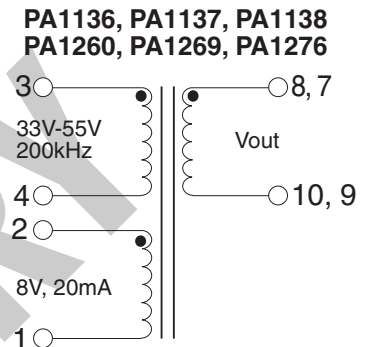
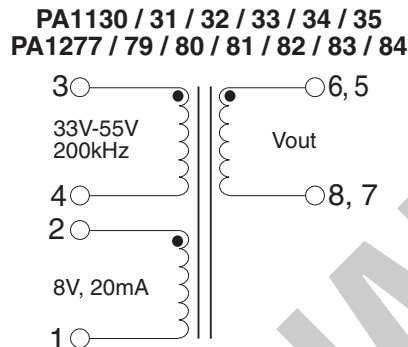
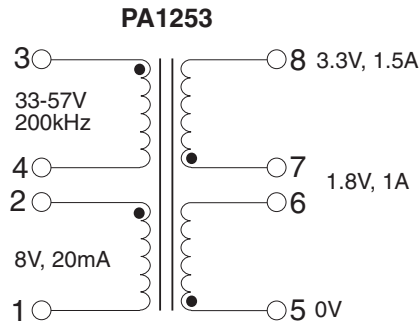
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EP Platforms - EP7, EP10 and EP13



Schematics

EP7/10/13



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