

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

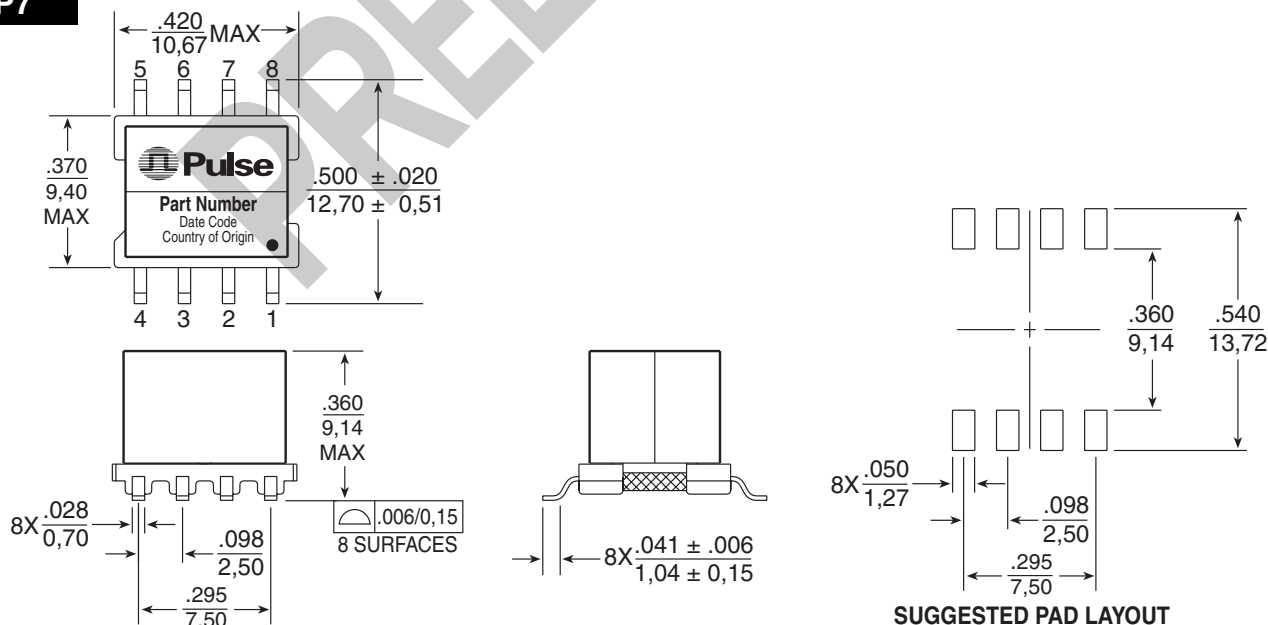
Notes:

- 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.
- Add 'T' suffix to the part number for Tape & Reel version (ie: PA0699T).

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.

Mechanical

EP7



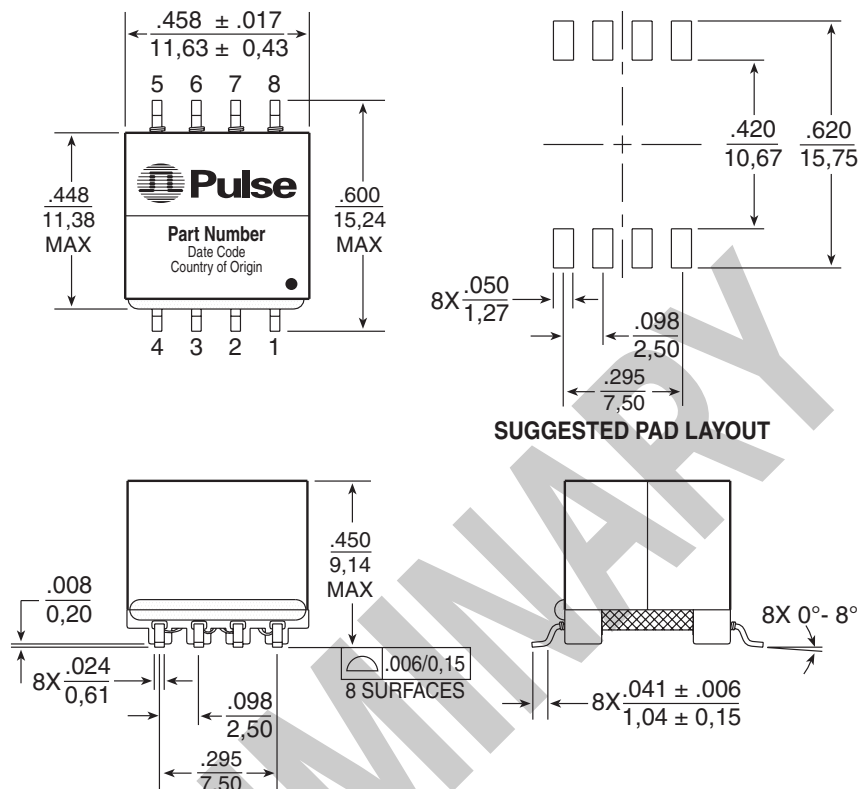
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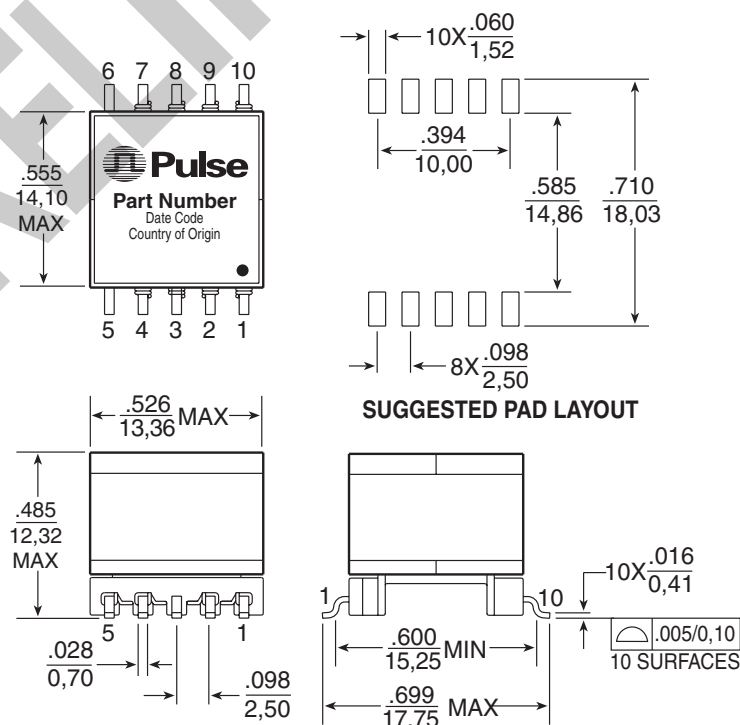


Mechanicals

EP10



EP13



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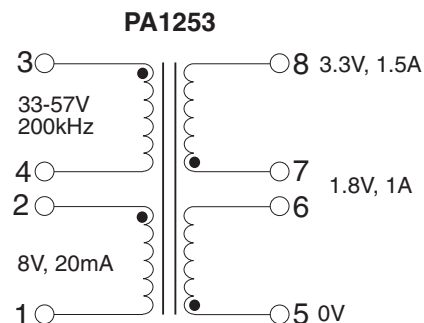
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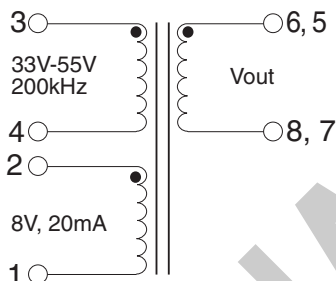
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Schematics

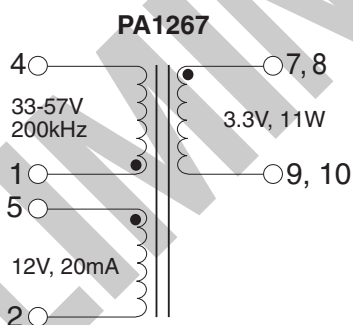
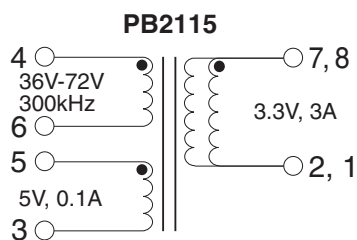
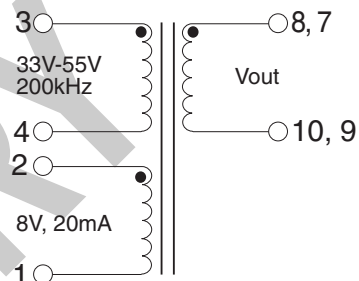
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PA1130 / 31 / 32 / 33 / 34 / 35 PA1277 / 79 / 80 / 81 / 82 / 83 / 84



PA1136, PA1137, PA1138 PA1260, PA1269, PA1276



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