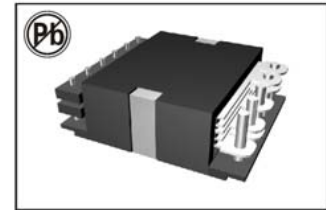


Planar Transformer

HIGH FREQUENCY 300W PLANAR TRANSFORMERS FATP30 SERIES



FEATURES:

Power Rating Up to 300 Watts
High Efficiency of Over 98%
High Power Density of 600 Watts Per Cubic Inch
Footprint 29.6 mm 25.40 mm
Lower Profile of 9.0 mm and 10 mm
High Isolation (operational) 1800 Vdc
High Frequency 200 kHz-700 kHz
Operating Temperature -40 to +125

OPTIONS:

Weight: 21.7 grams
Tube: 15/tube

COMMON APPLICATIONS:

High performance DC/DC converters.
High efficiencies up to over 98 percent, high power density of 600 watts per cubic inch DC/DC converters.
For forward, full-bridge, half-bridge and push-pull DC/DC converters.
Adding a primary auxiliary winding or a small gap to be have more expanding of configurations.
Input voltages between 18V and 75V, and output voltages from 52V down to 1.0V DC/DC converters.
Telecommunications, industrial control systems,
Automotive and heavy equipment vehicle systems

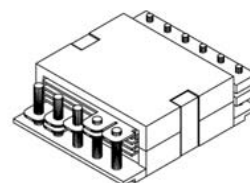
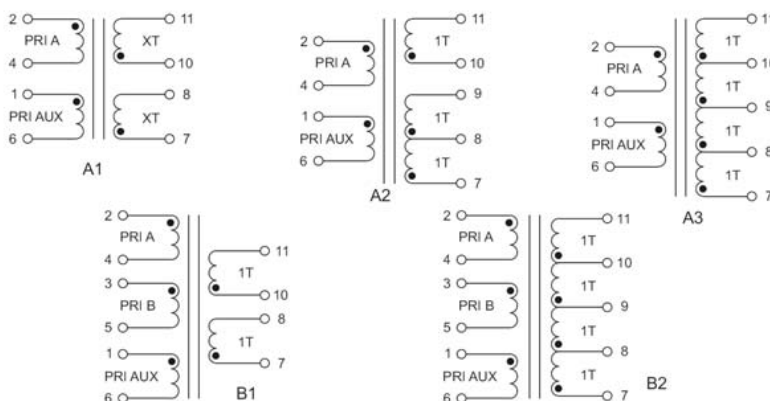
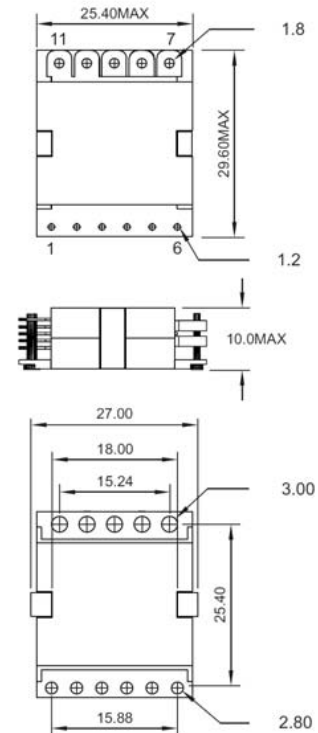
ELECTRICAL CHARACTERISTICS

Part Number	Primary Inductance (uH Min)	Leakage Inductance (uH Max)	DC Resistance (m Max)			Secondary	Turns Ratio		Primary Second Hi-Pot	Figure	M Height
			Primary				Primary	Secondary			
			A	B	AUX.						
FATP30S0402	72.00	0.26	10			1.20&1.20	4T	1T & 1T	1800VDC	A1	9.0mm
FATP30S0502	112.5	0.26	12		468		5T (5T/aux)	1800VDC	9.0mm		
FATP30S0602	162.0	0.26	20		154		6T (2T/aux.)	1800VDC	9.0mm		
FATP30S0702	220.5	0.26	48		158		7T (3T/aux.)	1800VDC	9.0mm		
FATP30S0802	288.0	0.26	58			8T	1800VDC	9.0mm		9.0mm	
FATP30S0403	72.00	0.26	10			1.80&0.60	4T	2T & 1T	1800VDC	A2	9.0mm
FATP30S0503	112.5	0.26	12		468		5T (5T/aux)	1800VDC	9.0mm		
FATP30S0603	162.0	0.26	20		154		6T (2T/aux.)	1800VDC	9.0mm		
FATP30S0703	220.5	0.26	48		158		7T (3T/aux.)	1800VDC	9.0mm		
FATP30S0803	288.0	0.26	58			8T	1800VDC	9.0mm		9.0mm	
FATP30S0404	72.00	0.26	10			4.8	4T	(1T:1T:1T)	1800VDC	A3	9.0mm
FATP30S0504	112.5	0.26	12		468		5T (5T/aux)	1800VDC	9.0mm		
FATP30S0604	162.0	0.26	20		154		6T (2T/aux.)	1800VDC	9.0mm		
FATP30S0704	220.5	0.26	48		158		7T (3T/aux.)	1800VDC	9.0mm		
FATP30S0804	288.0	0.26	58			8T	1800VDC	9.0mm		9.0mm	
FATP30S0414	72.00	0.28	10			4.2&4.2	4T	7T & 7T	1800VDC	A1	9.0mm
FATP30S0514	112.5	0.26	12		468		5T (5T/aux)	1800VDC	9.0mm		
FATP30S0614	162.0	0.26	20		154		6T (2T/aux.)	1800VDC	9.0mm		
FATP30S0714	220.5	0.26	48		158		7T (3T/aux.)	1800VDC	9.0mm		
FATP30S0814	288.0	0.26	58			8T	1800VDC	9.0mm		9.0mm	
FATP30D0802	288.0	0.26	10	10		0.60&0.60	4T&4T	1T & 1T	1800VDC	B1	10mm
FATP30D1002	450.0	0.26	12	12	233		5T&5T (5T/aux)	1800VDC	10mm		
FATP30D1202	648.0	0.26	20	20	76		6T&6T (2T/aux)	1800VDC	10mm		
FATP30D1402	882.0	0.26	48	48	78		7T&7T (3T/aux)	1800VDC	10mm		
FATP30D1602	1152	0.26	58	58		8T&8T	1800VDC	10mm		10mm	
FATP30D0804	288.0	0.26	10	10		4.8	4T&4T	(1T:1T:1T)	1800VDC	B2	10mm
FATP30D1004	450.0	0.26	12	12	233		5T&5T (5T/aux)	1800VDC	10mm		
FATP30D1204	648.0	0.26	20	20	76		6T&6T (2T/aux)	1800VDC	10mm		
FATP30D1404	882.0	0.26	48	48	78		7T&7T (3T/aux)	1800VDC	10mm		
FATP30D1604	1152	0.26	58	58		8T&8T	1800VDC	10mm		10mm	

TECHNICAL INFORMATION

- The inductance is measured with both primary windings connected in series where applicable (type D: 2 to 5 with 3 and 4 shorted, type S: 2 to 4 only).
- The leakage inductance is measured with both primary windings connected in series where applicable in all other winding shorted.
- All specifications typical at TA=25

PHYSICAL CHARACTERISTICS



Note: All specifications subject to change without notice.