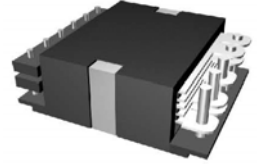


HIGH FREQUENCY 140W PLANAR TRANSFORMERS

PT25F SERIES



Features:

- Power rating up to 140 watts
- High efficiency
- High power density
- Footprint: 23.5 mm x 20.10 mm
- Low profile: 9.12 mm Max
- High operational isolation: 1500 Vdc
- High frequency: 200 kHz - 700 kHz
- Operating temperature: -40°C to +125°C

Options:

- Weight: 11.60 grams
- Tape & Reel: 200/reel
- Tube: 18/tube

Common Applications:

- High efficiency, high power density DC/DC converters
- Forward, full-bridge, half-bridge, and push-pull DC/DC converters
- A primary auxiliary winding or a small gap can be added in order to expand configuration options
- DC/DC converters with input voltage between 18V and 75V and output voltage from 1.0V to 52V
- Telecommunication, industrial control systems, automotive, and heavy equipment vehicle systems

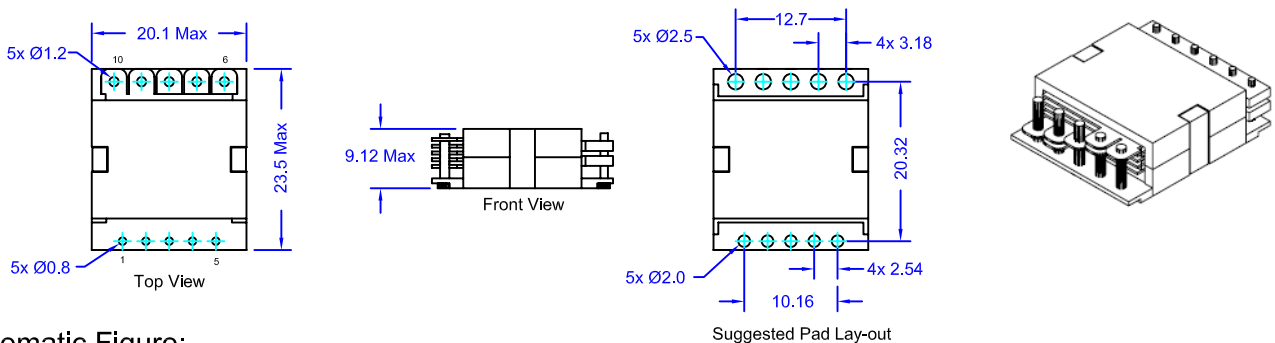
Electrical Characteristics:

Part Number	Primary Inductance (µH Min)	Leakage Inductance (µH Max)	DC Resistance (m Ω Max)			SEC	Turns Ratio		Primary Second Hipot	Figure	M. Height
			Primary				PRI	SEC			
			A	B	AUX.						
PT25F0802	161.0	0.43	18.0	18.0	N/A	0.5 & 0.5	4T & 4T	1T & 1T	1500VDC	A	9.12mm
PT25F0902	204.0	0.43	18.0	20.0	N/A		4T & 5T	1T & 1T	1500VDC	A	9.12mm
PT25F1002	252.0	0.45	20.0	20.0	N/A	1.0 & 1.0	5T & 5T	1T & 1T	1500VDC	A	9.12mm
PT25F1102	304.0	0.55	20.0	26.0	N/A		5T & 6T	1T & 1T	1500VDC	A	9.12mm
PT25F1202	362.0	0.60	26.0	26.0	N/A	4.8	6T & 6T	1T & 1T	1500VDC	A	9.12mm
PT25F0803	161.0	0.43	18.0	18.0	N/A		4T & 4T	2T & 1T	1500VDC	B	9.12mm
PT25F0903	204.0	0.43	18.0	20.0	N/A	1.0 & 1.0	4T & 5T	2T & 1T	1500VDC	B	9.12mm
PT25F1003	252.0	0.45	20.0	20.0	N/A		5T & 5T	2T & 1T	1500VDC	B	9.12mm
PT25F1103	304.0	0.55	20.0	26.0	N/A	4.8	5T & 6T	2T & 1T	1500VDC	B	9.12mm
PT25F1203	362.0	0.60	26.0	26.0	N/A		6T & 6T	2T & 1T	1500VDC	B	9.12mm
PT25F0804	161.0	0.43	18.0	18.0	N/A	4.8	4T & 4T	(1T:1T:1T:1T)	1500VDC	C	9.12mm
PT25F0904	204.0	0.43	18.0	20.0	N/A		4T & 5T		1500VDC	C	9.12mm
PT25F1004	252.0	0.45	20.0	20.0	N/A		5T & 5T		1500VDC	C	9.12mm
PT25F1104	304.0	0.55	20.0	26.0	N/A		5T & 6T		1500VDC	C	9.12mm
PT25F1204	362.0	0.60	26.0	26.0	N/A	6T & 6T	1500VDC	C	9.12mm		

Technical Information:

1. The inductance is measured between Pins (2-4) at 100KHz, 100 mVrms, 0Adc
2. The leakage inductance is measured between Pins (2-4) with all other windings shorted
3. Specification typical at TA=25°C

Mechanical Characteristics (mm):



Schematic Figure:

