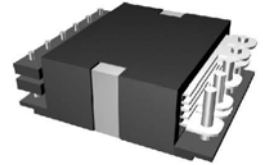


HIGH FREQUENCY 150W PLANAR TRANSFORMERS

PT25D SERIES



Features:

- Power rating up to 150 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/real
- Tube: 18/tube

Common Applications:

- High efficiency, high power density DC/DC converters
- Forward, full-bridge, half-bridge, and push-pull DC/DC converters
- 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

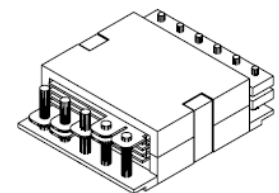
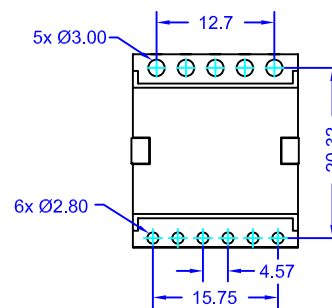
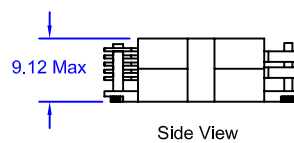
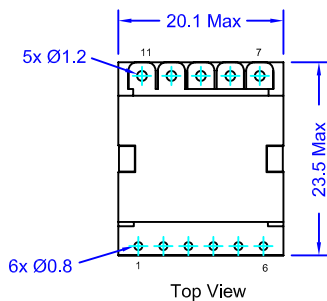
Electrical Characteristics:

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 (A/B)	SEC			
			A	B	AUX.						
PT25D0802	161.0	0.43	18.0	18.0	N/A	0.85 & 0.85	4T/4T	1T/1T	1500VDC	A	9.12mm
PT25D0902	204.0	0.43	18.0	20.0	N/A		4T/5T	1T/1T	1500VDC	A	9.12mm
PT25D1002	252.0	0.48	20.0	20.0	N/A		5T/5T	1T/1T	1500VDC	A	9.12mm
PT25D1102	304.0	0.55	20.0	25.0	N/A		5T/6T	1T/1T	1500VDC	A	9.12mm
PT25D1202	362.0	0.60	25.0	25.0	N/A		6T/6T	1T/1T	1500VDC	A	9.12mm
PT25D0803	161.0	0.43	18.0	18.0	N/A		1.70 & 1.70	4T/4T	2T/1T	1500VDC	B
PT25D0903	204.0	0.43	18.0	20.0	N/A	4T/5T		2T/1T	1500VDC	B	9.12mm
PT25D1003	252.0	0.48	20.0	20.0	N/A	5T/5T		2T/1T	1500VDC	B	9.12mm
PT25D1103	304.0	0.55	20.0	25.0	N/A	5T/6T		2T/1T	1500VDC	B	9.12mm
PT25D1203	362.0	0.60	25.0	25.0	N/A	6T/6T		2T/1T	1500VDC	B	9.12mm
PT25D0804	161.0	0.43	18.0	18.0	N/A	7.00		4T/4T	(1T:1T:1T)	1500VDC	C
PT25D0904	204.0	0.43	18.0	20.0	N/A		4T/5T	1500VDC		C	9.12mm
PT25D1004	252.0	0.48	20.0	20.0	N/A		5T/5T	1500VDC		C	9.12mm
PT25D1104	304.0	0.55	20.0	25.0	N/A		5T/6T	1500VDC		C	9.12mm
PT25D1204	362.0	0.60	25.0	25.0	N/A		6T/6T	1500VDC		C	9.12mm

Technical Information:

1. Inductance is measured with both primary windings (2-5) with pins (3-4) shorted connected in series
2. Leakage inductance is measured on Pins (2-4) with all other windings shorted
3. Specification typical at TA=25°C

Mechanical Characteristics (mm):



Schematic Figure:

