

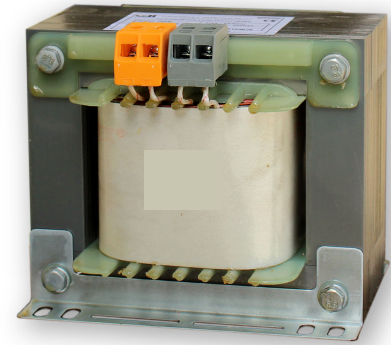
Two Phase Isolation Transformer



Step-Down Transformer Data Sheet.

Sect. 1.14

Electrostatic shield between primary and secondary windings provides cleaner output voltage and helps to reduce spikes and transients. Copper windings connect to connector terminations equipped with NEMA standard holes for compression style or ring terminals. Relative humidity 91%, **Class F Class 155°C - 311°F insulation** system with 95°C temperature rise at full load and a maximum ambient of 50°C.



Model # BIT-150

GENERAL SPECIFICATION

Nr.	Description	Proposed
1	Rated power	150VA
2	Rated primary voltage	380-415-440VAC (2wire)
3	Rated secondary voltage at no-load	24.7VAC (with 3% regulation)
4	Secondary voltage at rated power at 0.8PF	24VAC
5	Rated frequency	50/60Hz

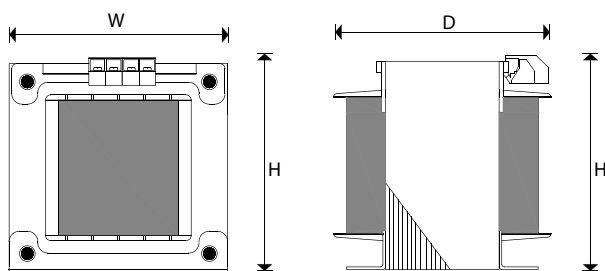
Transformer standard is **IEC 60076**, natural air cooled varnish impregnated isolation transformer with double wound windings. Mode of operation is individual. Highest Voltages of transformer windings are 1.1/3KV and 1.11KV to 12KV insulation at primary and secondary side

ENVIRONMENTAL CONDITIONS

Nr.	Description	Proposed
1	Place of installation	Indoor
2	Altitude	900m above sea level
3	Duty(Continuous/Intermittent)	Continuous
4	Climatic/ Environmental class	C1/E1
5	Fire behavior class	F1
6	Type of transformer	Dry

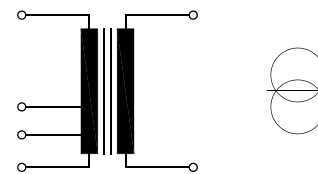
GENERAL CHARACTERISTICS

Nr.	Description	Proposed
1	Primary current	0.34A
2	Secondary current	6.25A
3	Degree protection	IP00
4	Construction	Open
5	Class F insulation & Class A Temp. rise for HV & LV windings	



Front View

Side View



Single Line Diagram

TRANSFORMER LOSSES & EFFICIENCY

Nr.	Description	Proposed
1	No-load current(primary)/ PF	<3% In/ 0.8
2	No load loss	3.5W
3	No load loss at 75°C	3.7W
4	Load loss at rated voltage & frequency	14.7W
5	Impedance	6.5%
6	Efficiency with power factor 1 @ 100% of load	97.01%
7	Efficiency with power factor 1 @ 75% of load	97.76%
8	Efficiency with power factor 0.8 @ 100% of load	98.14%
9	Efficiency with power factor 0.8 @ 75% of load	98.60%

TRANSFORMER DIMENSIONS

Width(W)	Height(H)	Depth(D)	Weight	Bolt size
96mm	94mm	88mm	2.8Kg	N/A

Above mension dimensions & weight may be in ±5%