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MMT-120V-150VA-2VAC-MOD1

0.15 kVA (150 VA) Isolation Transformer - 120V Primary - 2V AC Secondary - 50/60 Hz

Product ID: 221640

Please see last page for supporting documentation for this product(certificates, CAD files & drawings, IES files, wiring diagrams, etc).



Larson Electronics LLC manufactures a wide variety of products, including custom built to spec designs. The pictures displayed for this unit are a general representation of form factor for the product line and may not accurately represent this exact configuration in every detail due to custom builds and changes between similar products in our standard catalog. The specifics for this configuration are listed in the specification table and supporting documentation (CAD files, Dimensional Drawing, Name Plate Diagram, Wiring Diagram, etc.). This means that specific details (receptacles, plugs, wires, connections, mounting brackets, external finishes, etc.) may not be accurately represented in images vs specifications. Please review specifications and do not order based solely on images.

MMT-120V-150VA-2VAC-MOD1 Isolation Transformer
Transformer Type: Isolation Transformer
Transformer Configuration: Buck
Phase: Single Phase
Frequency: 50/60 Hz
Primary Voltage: 120 V AC
kVA: 0.15 (150 VA)
Secondary Voltage: 2 V AC
Winding Material: Copper
Knockouts: Side and rear
Primary Termination: Front access copper tabs or lead wires
Secondary Termination: Front access copper tabs or lead wires
Cooling: Air / Dry Type
Insulation: 180°C
Temp Rating: 30°C
Enclosure Rating: NEMA 3R
Encapsulation: Silica sand, resin compounds
Enclosure Material: Steel
Finish: ANSI 61 Grey / UL50
Mounting: Wall mount via mounting tabs
Dimensions: 10"H x 7.75"W x 17.25"D
Weight: 105 lb

Ratings
UL listed for United States
CSA certified for Canada
NEMA 3R Indoor/Outdoor Enclosure
Meets or Exceeds NEMA ST-20 Standards
Isolation Transformer

Special Orders - Special Requirements
Contact us for special requirements
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The MMT-120V-150VA-2VAC-MOD1 Single Phase Isolation Transformer from Larson Electronics is powerful, reliable, and designed with the environment in mind. Suitable for both indoor and outdoor applications,

the MMT-120V-150VA-2VAC-MOD1 provides increased reliability, higher efficiency, protection against critical equipment failures and an extra level of protection by isolating the power source from the connected device. The lower operating costs, lower heat emissions and lower cost of ownership make this transformer ideal for a wide range of applications and businesses.

PLEASE NOTE: ANY FREE SHIPPING OFFERS DO NOT APPLY TO POWER DISTRIBUTION PANELS, TRANSFORMERS, OR SUBSTATIONS*

Transformer Features: The MMT-120V-150VA-2VAC-MOD1 isolation transformer is a single phase unit with a 0.15 kVA (150 VA) rating and a primary voltage of 120 V AC on the primary side. This transformer has a secondary voltage of 2 V AC on the secondary side. Featuring robust construction, this unit`s cores are manufactured with non-aging, cold-rolled silicon steel laminations using state of the art technology.

This unit`s primary and secondary windings are separated, allowing operators to connect the primary and secondary components to form an autotransformer. When the primary and secondary windings are connected, the unit is no longer an isolated transformer and becomes a buck-boost transformer (autotransformer). This unit boasts a low cost of ownership and is highly energy efficient. Lower heat emissions mean less cooling is needed as well. The NEMA 3R painted steel enclosure makes the unit suitable for both indoor and outdoor applications, and this step-down transformer can be either floor or wall mounted. The MMT-120V-150VA-2VAC-MOD1 features 180°C insulation.

Construction: The copper winding in the MMT-120V-150VA-2VAC-MOD1 are formed from high quality magnetic copper wire help to improve performance. The close tolerances used during manufacturing also eliminates burrs which hinder performance. Each core is specially coated to prevent the ingress of moisture and are electrically balanced to minimize axial forces during short circuit situations. Isolation transformers are designed to maximize the performance and life of electrical equipment. The MMT-120V-150VA-2VAC-MOD1 is encapsulated in silica sand and resin, and cased in a NEMA 3R steel enclosure. NEMA 4, NEMA 4X, and NEMA 12 enclosures are available upon request.

Benefits: The MMT-120V-150VA-2VAC-MOD1 isolation transformer offers many benefits to the consumer. Higher efficiency not only extends the life of the transformer, but also turn into cost savings for owners in the form of lower energy bills and decreased cost of ownership. Installation and maintenance costs are reduced due to the smaller form factor, and less overall space requirements are decreased. In addition, these transformers operate quieter than a standard autotransformer of the same capacity.

Mounting: Integrated wall mounting brackets make installation fast and easy. Because of the smaller overall footprint, heavy machinery is rarely needed for mounting and installation.

Applications: Air conditioners, lighting systems, heating elements, motor applications and other applications that that require the ability to power loads that differ from the available line voltage.

Limitations: While there are many benefits to an isolation transformer and there are some limitations to consider. This transformer will only transform voltage, it will not convert phases and does not allow use of the neutral. If any of these limitations apply to you, you will need a standard transformer. Please see below link for our standard line of industrial transformers or our line of phase converters.

Note on Phases: For three phase transformers, click on the following links:
Three Phase Delta Buck/Boost Transformers
Three Phase Wye Buck/Boost Transformers

Larson Electronics is a manufacturer and as such can build stationary and portable transformer systems to your specifications. Although we carry several models of power distribution transformer systems, we can deliver custom ordered units almost as quickly as our prebuilt units. If this model does not meet your needs, please contact us at 1-800-369-6671 or sales@larsonelectronics.com to discuss your specific requirements.

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Frequently Asked Questions (FAQ)

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Product ID: 221640

Harmonized System (HS) Code: 8504.21.0020

Export Control Classification Number (ECCN): EAR99

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Links (Click on the below items to view):

- **HigResPic1**
- **ISO 9001 Certification**
- **Business Certificate**
- **Shipping Time Map**