ALUMINUM HOUSED RESISTORS

600 SERIES

- Widest selection in the industry! 5 to 1000 Watt
- 0.005Ω to 1MΩ, tolerance to .01%, TC to 5ppm
- High power and high pulse capacity in compact size
- Welded wirewound construction, low noise
- Available on exclusive SWIFT™ delivery program!
- Option X: Non-inductive
- Option P: Increased pulse capability
- Option ER: 100 hour burn-in per MIL-PRF-39009
- Option B: Increased power
- Additional modifications: unanodized cases, custom marking, increased dielectric/creepage & working voltage, low thermal emf (opt.E), etc. Customized components are an RCD Specialty!

Standard units feature lug terminals (605 - 630) or threaded terminals (635 & 640).

Option L (605-625): Insulated stranded wires embedded into the case. Black TFE 18awg x 12'L with ¼" strip is standard (16awg TFE & 14awg PVC avail). Also available with 4 insulated lead wires (Opt.4L), and with a wide variety of terminals... quick-connect male (Opt. LM=25x.032), female (Opt. LF=25x.032”, LFS=18x.020”), ring terminal (Opt. LR=145” I.D., LRR=25” I.D.).

Option 2T & 4T (605-625): Straight leadwires. 2T is 2-terminal design, 4T is 4-terminal. Each have 18awg x 1” min lead length. 16awg x 1” and 12AWG x 5” also available (12 AWG not avail in Opt 4T).

Option 4R (605-630): 4-terminal design. 16AWG lug terminals are welded to standard terminals.

Option Q (605-630): .187” x.020” male fast-on terminal; Opt. Q2 (610-625) is .250” x.032” male terminal. Opt. Q & Q2 add 0.9 ±0.125” to Dim. D.

SPECIFICATIONS:
Consult factory for dimensions on liquid cooled design up to 1000 Watt

TYPICAL PERFORMANCE CHARACTERISTICS:

- Voltage,Mounted Wattage
- Resis. Code RCD Type
- Voltage Rating
- A ±0.005
- B ±0.005
- C ±0.062
- D ±0.062
- E ±0.031
- F ±0.031
- G ±0.031
- H ±0.010
- L ±0.005
- N ±0.005
- M1
- M2
- M3
- M4
- M5
- M6
- M7
- M8

TYPICAL PERFORMANCE CHARACTERISTICS:

- Temp.Coefficient
- Standard
- Dielectric (D/WV)
- Inductance, Opt.X
- Load Life (1000 hrs)
- Moisture Resistance
- Overload
- Terminal Strength
- Operating Temp.
- Dielectric strength on Opt. L resistors is 50% of standard (available up to 3KV)

DERATING: Power rating is based on the use of a suitable heat sink and thermal compound to limit case temp. to 200°C. Recommended aluminum chassis area is 64in² x.040” thick for type 605 and 610, 83in² x.040” thick for type 615, 144in² x.060” thick for type 620, and 144in² x .125” for types 625 through 640. Without a heat sink, derate wattage rating by 60%.

P/N DESIGNATION:

New style parts are for MIL-PRF-39000.

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RSM: Sale of this product is in accordance with GF-061. Specifications subject to change without notice.