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## Full Wave Bridge Assembly

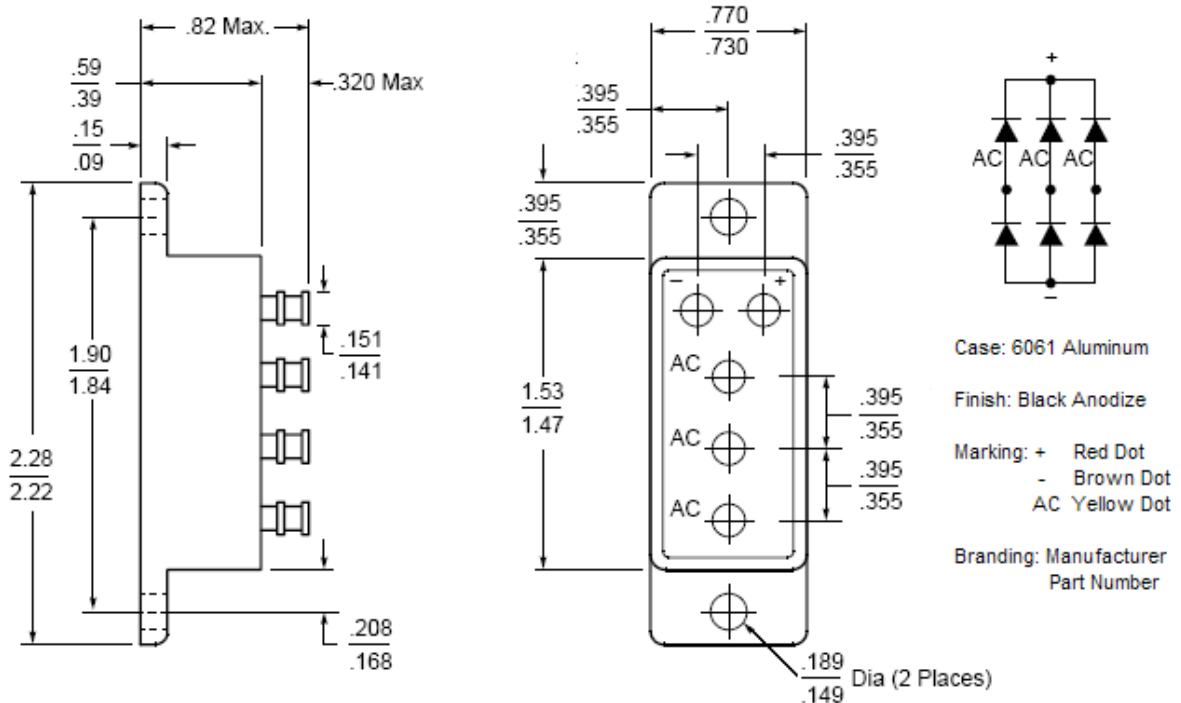
Three Phase, Low Leakage  
 SDA167 T Series

**ELECTRICAL CHARACTERISTICS @  $T_C=25^\circ\text{C}$  unless otherwise specified**

| Part Number | Specifications |                        |                         |                       |      |                        | Absolute Max Ratings            |  |   |
|-------------|----------------|------------------------|-------------------------|-----------------------|------|------------------------|---------------------------------|--|---|
|             | PIV            | Reverse Current $I_R$  |                         | Forward Voltage $V_F$ |      | Peak Reverse Voltage * | Average DC Output Current $I_o$ | Peak Single Cycle Surge Current $I_{FSM}(4)$ | Insulation Leakage (Terminal to Case) (5) |
|             |                | $T_C=25^\circ\text{C}$ | $T_C=100^\circ\text{C}$ | (1)                   | (2)  |                        |                                 |  |   |
|             | Volt           | $\mu\text{Amp}$        |                         | Volt                  | Volt | Volt                   | Amp                             | Amp  | $\mu\text{Amp}$                           |
| SDA167DT    | 400            | 10                     | 100                     | 1.05                  | 1.20 | 420                    | 25                              | 150  | 15  |
| SDA167ET    | 600            | 10                     | 100                     | 1.05                  | 1.20 | 620                    | 25                              | 150  | 15  |
| SDA167FT    | 800            | 10                     | 100                     | 1.05                  | 1.20 | 820                    | 25                              | 150  | 15  |
| SDA167GT    | 1000           | 10                     | 100                     | 1.05                  | 1.20 | 1020                   | 25                              | 150  | 15  |

- (1)  $I_f=3\text{A}$  (2)  $I_f=9\text{A}$  (300-500 $\mu\text{S}$  Pulse, duty cycle<2%) (3)  $I_R=50\mu\text{A}$   
 (4)  $t_p=8.3\text{mS}$ , Single Half Cycle Sine Wave (5)  $V_R=1500\text{V}$   $R_{INS}=100\text{M}\Omega$

**MECHANICAL**



**THERMAL CHARACTERISTICS**

|   |                 |
|---|-----------------|
| Operating and Storage Temperature.....          | -55°C to +150°C |
| Maximum Thermal Impedance Junction to Case..... | 1.5°C/W Typical |