

T-58-11-23 T-58-11-13

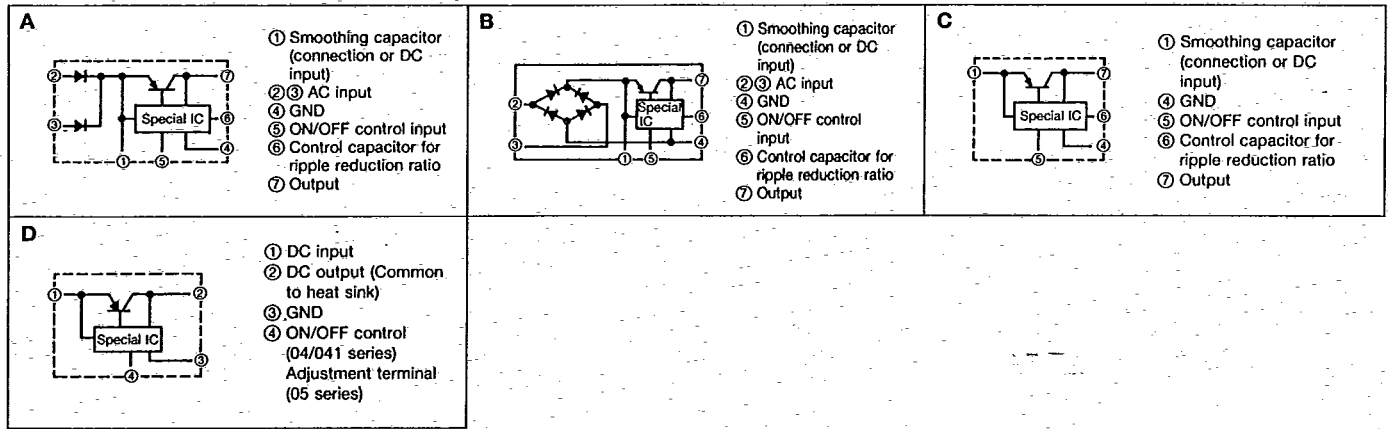
MULTI-FUNCTIONAL REGULATOR MODULE

(Ta=25°C)

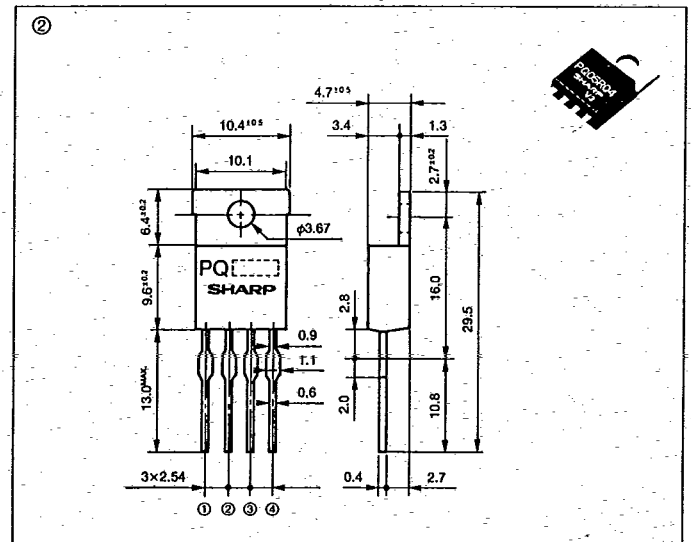
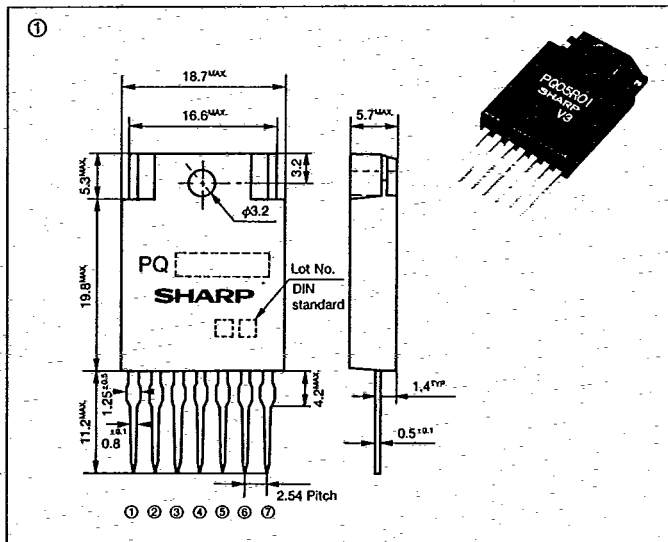
| Model No. | Internal Connection Diagram | Outline Dimensions | Features | Absolute Maximum Ratings | | Electrical Characteristics | | | | | | | | | | | |
|-----------|-----------------------------|--------------------|--|---|--|--|----------------------|----------------------|---|----------------------|-------------|-------------|------|-----|----------------------|-----|-------------|
| | | | | DC Input Voltage V_{in} (V) | Output Current I_o (A) | Output Voltage V_o (V) TYP. | Load Variation Ratio | | Minimum Input-Output Voltage Difference | | | | | | | | |
| | | | | | | | Reg L (%) TYP. | Conditions | V_{i-o} (V) MAX. | Conditions | | | | | | | |
| PQ05R01 | A | ① | Center-tap rectifier | 31.0 | 1.0 | 5.1 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ | | | | | | | |
| PQ05R02 | B | ① | | Bridge rectifier | 31.0 | 1.0 | 5.1 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ | | | | | | |
| PQ05R03 | C | ① | | | DC input | 31.0 | 1.0 | 5.1 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ | | | | | |
| PQ09R01 | A | ① | • Built-in output voltage ON-OFF control circuit | | | 31.0 | 1.0 | 9.1 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ | | | | | |
| PQ09R02 | B | ① | | • Built-in overcurrent protection circuit | | | | | | | | | | | | | |
| PQ09R03 | C | ① | | | • Built-in overheat compensation circuit | | | | | | | | | | | | |
| PQ12R01 | A | ① | Center-tap rectifier | | | 31.0 | 1.0 | 12.1 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ | | | | | |
| PQ12R02 | B | ① | | Bridge rectifier | | 31.0 | 1.0 | 12.1 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ | | | | | |
| PQ12R03 | C | ① | | | DC input | 31.0 | 1.0 | 12.1 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ | | | | | |
| PQ05R04 | D | ② | • Low-priced • DC input type • Built-in output voltage ON-OFF control circuit • Built-in overcurrent protection circuit • Built-in overheat compensation circuit | | | 31.0 | 1.0 | 5.1 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ | | | | | |
| PQ09R04 | D | ② | | 31.0 | | 1.0 | 9.1 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ | | | | | | |
| PQ12R04 | D | ② | | | 31.0 | | | | | | | 1.0 | 12.1 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ |
| PQ05R041 | D | ② | 31.0 | | | | | | | | | | | | | | |
| PQ09R041 | D | ② | | • High precision output voltage of PQ**R04 series ($\pm 2.5\%$) Note) ** shows 05, 09 or 12. | | 31.0 | 1.0 | 9.0 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | | | | | | |
| PQ12R041 | D | ② | | | 31.0 | | | | | | | 1.0 | 12.0 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ |
| PQ05R05 | D | ② | • Type with output voltage minute adjustment terminal of PQ**R04 series Note) Output voltage ON-OFF control circuit is not included. | | | | | | | | | | | | | | |
| PQ09R05 | D | ② | | 31.0 | | 1.0 | 9.1 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ | | | | | | |
| PQ12R05 | D | ② | | | 31.0 | | | | | | | 1.0 | 12.1 | 0.1 | $I_o=0.25\sim 0.75A$ | 0.5 | $V_o=0.95V$ |

T-58-11-13

Internal Connection Diagrams



Outline Dimensions



Unit: mm