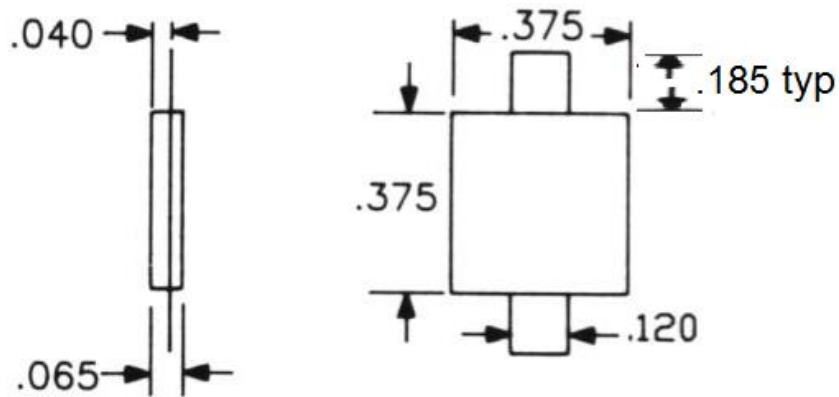



# HIGH POWER RESISTOR

## S1Q300100



| Electrical Specifications       |           | Material Specifications  |                            | General Specifications      |                               |
|---------------------------------|-----------|--------------------------|----------------------------|-----------------------------|-------------------------------|
| <b>RFT P/N</b>                  | S1Q300100 | <b>Substrate</b>         | BeO                        | <b>Mechanical Tolerance</b> | ±.010"                        |
| <b>Power (Watt)</b>             | 300       | <b>Backside</b>          | Platinum Silver            | <b>Resistance Tolerance</b> | ±5%                           |
| <b>Resistance (Ohm)</b>         | 100       | <b>Tab</b>               | Nickel with Silver plating | <b>Power Handling</b>       | 300 W @ 100°C<br>0 W @ 180°C  |
| <b>Frequency (GHz)</b>          | 2         | <b>Cover</b>             | Alumina                    | <b>Construction</b>         | Lead free solder              |
| <b>Capacitance (pF Typical)</b> | 2.5       | <b>Resistive Element</b> | Thick Film                 | <b>RoHS Compliance</b>      | Yes with Electronic exemption |

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|   |                           |                              |        |
|---|---------------------------|------------------------------|--------|
|  | <b>CAGE CODE</b><br>0NR42 | <b>300W 100 Ohm Resistor</b> |        |
|   |                           | Dwg. No.:S1Q300100           | Rev. A |