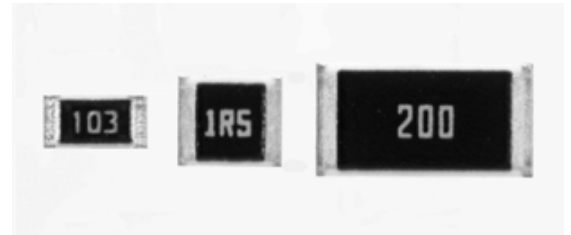


- Features:**
- Barrier terminations engineered to deter sulfur contamination
 - Non-standard resistance values available
 - Operating temp range from -55°C to +155°C
 - Zero ohm available (max resistance 0.05Ω)
 - RoHS compliant / lead-free

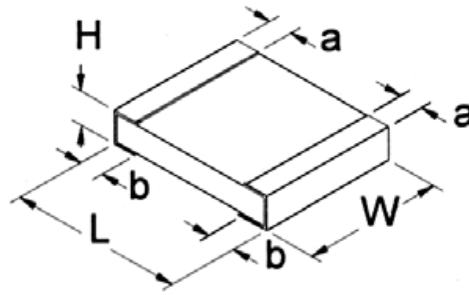


| Electrical Specifications | | | | | | | | |
|---------------------------|--------------|-----------------------------|-----------------------------|--------------------------|------------------------|--|--------------------------------------|----------------------|
| Type / Code | Package Size | Power Rating (Watts) @ 70°C | Maximum Working Voltage (1) | Maximum Overload Voltage | Maximum Current Jumper | Resistance Temperature Coefficient | Ohmic Range (Ω) and Tolerance | |
| | | | | | | | 1% | 5% |
| RMCS 1/20 | 0201 | 0.050W | 25V | 50V | 1 Amp | ± 300 ppm/°C ± 200 ppm/°C | 10 - 97.6 100 - 1M | 10 - 91 100 - 10M |
| RMCS 1/16S | 0402 | 0.063W | 50V | 100V | 1 Amp | ± 200 ppm/°C ± 100 ppm/°C ± 200 ppm/°C | 10 - 97.6 100 - 1M 1.02M - 10M | 10 - 10M - - |
| RMCS 1/16 | 0603 | 0.100W | 50V | 100V | 1 Amp | ± 100 ppm/°C ± 200 ppm/°C | 10 - 1M 1.02M - 10M | - 10 - 22M |
| RMCS 1/10 | 0805 | 0.125W | 150V | 300V | 2 Amp | ± 100 ppm/°C ± 200 ppm/°C | 10 - 2.2M 2.21M - 10M | - 10 - 22M |
| RMCS 1/8 | 1206 | 0.250W | 200V | 400V | 2 Amp | ± 100 ppm/°C ± 200 ppm/°C | 10 - 1M 1.02M - 10M | - 10 - 24M |
| RMCS 1/4 | 1210 | 0.330W | 200V | 400V | 2 Amp | ± 100 ppm/°C ± 200 ppm/°C | 10 - 1M 1.02M - 10M | - 10 - 22M |
| RMCS 1/2 | 2010 | 0.750W | 200V | 400V | 2 Amp | ± 100 ppm/°C ± 200 ppm/°C | 10 - 1M - | - 10 - 22M |
| RMCS 1 | 2512 | 1.000W | 200V | 400V | 2 Amp | ± 100 ppm/°C ± 200 ppm/°C | 10 - 1M - | - 10 - 22M |

(1) Lesser of √PR or maximum working voltage.

How to Order

| SEI Type | | Code | | | Nominal Resistance | Tolerance | Packaging | | | |
|----------|------------------|-------|---------|------|--------------------|-----------|------------|---------|------------------|-------|
| RMCS | | 1/16 | | | 4.7K | 5% | R | | | |
| Type | Description | Code | Wattage | Size | Tolerance Values | | SEI Types | Pkg Qty | Description | Code |
| RMCS | Sulfur Resistant | 1/20 | 0.05W | 0201 | 1% | E96,E24 | 1/20 | 10,000 | Tape - 2mm Pitch | R |
| | | 1/16S | 0.063W | 0402 | | | | 5% | E24 | 1/16S |
| | | 1/16 | 0.1W | 0603 | 1/16, 1/10, 1/8 | 5,000 | Paper Tape | | | |
| | | 1/10 | 0.125W | 0805 | | | | All | 1,000 | Bulk |
| | | 1/8 | 0.25W | 1206 | | | | | | |
| | | 1/4 | 0.33W | 1210 | | | | | | |
| | | 1/2 | 0.75W | 2010 | | | | | | |
| | | 1 | 1W | 2512 | | | | | | |



| Mechanical Specifications | | | | | | |
|---------------------------|-----------------------------|-----------------------------|------------------------------|-----------------------------|---|--------------|
| Type / Code | L Body Length | W Body Width | H Body Height | a Top Termination | b Bottom Termination | Units |
| RMCS 1/20 | 0.024 ± 0.001 0.6 ± 0.03 | 0.011 ± 0.001 0.3 ± 0.03 | 0.009 ± 0.001 0.23 ± 0.03 | 0.004 ± 0.002 0.1 ± 0.05 | 0.006 ± 0.002 0.15 ± 0.05 | inches mm |
| RMCS 1/16S | 0.039 ± 0.002 1 ± 0.05 | 0.02 ± 0.002 0.5 ± 0.05 | 0.014 ± 0.002 0.35 ± 0.05 | 0.008 ± 0.004 0.2 ± 0.1 | 0.01 ± 0.002/-0.004 0.25 ± 0.05/-0.1 | inches mm |
| RMCS 1/16 | 0.063 ± 0.004 1.6 ± 0.1 | 0.031 ± 0.004 0.8 ± 0.1 | 0.018 ± 0.004 0.45 ± 0.1 | 0.012 ± 0.008 0.3 ± 0.2 | 0.012 ± 0.008 0.3 ± 0.2 | inches mm |
| RMCS 1/10 | 0.079 ± 0.008 2 ± 0.2 | 0.049 ± 0.004 1.25 ± 0.1 | 0.020 ± 0.006 0.5 ± 0.15 | 0.016 ± 0.008 0.4 ± 0.2 | 0.016 ± 0.008 0.4 ± 0.2 | inches mm |
| RMCS 1/8 | 0.126 ± 0.008 3.2 ± 0.2 | 0.063 ± 0.006 1.6 ± 0.15 | 0.021 ± 0.006 0.55 ± 0.15 | 0.02 ± 0.01 0.5 ± 0.25 | 0.02 ± 0.01 0.5 ± 0.25 | inches mm |
| RMCS 1/4 | 0.126 ± 0.008 3.2 ± 0.2 | 0.098 ± 0.008 2.5 ± 0.2 | 0.021 ± 0.006 0.55 ± 0.15 | 0.02 ± 0.01 0.5 ± 0.25 | 0.02 ± 0.01 0.5 ± 0.25 | inches mm |
| RMCS 1/2 | 0.197 ± 0.008 5 ± 0.2 | 0.098 ± 0.008 2.5 ± 0.2 | 0.021 ± 0.006 0.55 ± 0.15 | 0.024 ± 0.01 0.6 ± 0.25 | 0.024 ± 0.01 0.6 ± 0.25 | inches mm |
| RMCS 1 | 0.248 ± 0.008 6.3 ± 0.2 | 0.126 ± 0.008 3.2 ± 0.2 | 0.021 ± 0.006 0.55 ± 0.15 | 0.024 ± 0.01 0.6 ± 0.25 | 0.024 ± 0.01 0.6 ± 0.25 | inches mm |

