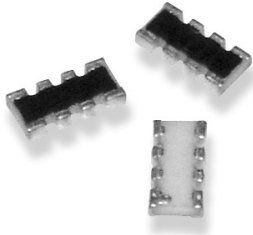


## Type MRS Series



The MRS series is an entirely new chip network utilising nickel chrome sputtering on high purity alumina. This network has been designed for high volume applications and is offered with 4 isolated resistors on a single substrate (12.06 sizes) at 0.1% with convex terminals. A wide value range and alternative T.C.R's make this a most versatile resistor solution.

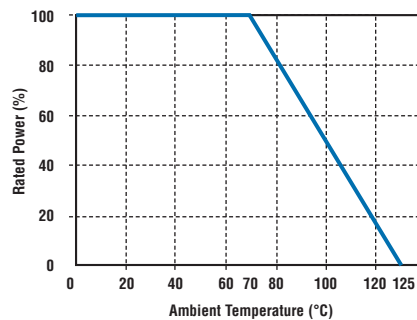
### Key Features

- Suitable for Tight Spaces
- High Precision Thin Film
- Wide Value Range
- Lower Placement Costs
- Range of Stabilities
- Low Cost in Volume
- High Reliability Design

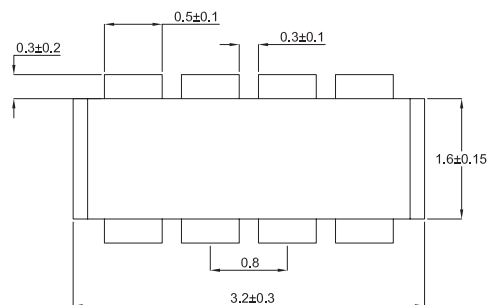
## Characteristics - Electrical

|   |                |                   |                |
|---|----------------|-------------------|----------------|
| <b>Resistance Range:</b>                      | 10R ~ 91R      | 100R ~ 33K        | 36K ~ 330K     |
| <b>Resistance Tolerance:</b>                  | ±0.5%, ±1%     | ±0.1%, ±0.5%, ±1% | ±0.5%, ±1%     |
| <b>Temperature Coefficient of Resistance:</b> | ±50ppm/°C      | ±25ppm/°C         | ±100ppm/°C     |
| <b>Rated Power (Suitable Heatsink):</b>       | 63mW / element | 63mW / element    | 63mW / element |
| <b>Selection Series:</b>                      | E24            | E24               | E24            |
| <b>Maximum Operating Voltage:</b>             | 75V            | 75V               | 75V            |

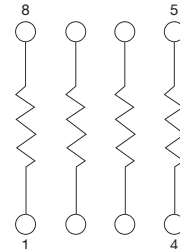
## Power Derating Curve



## Dimensions



## Schematic Layout



## How to Order

| MRS                                    | 100K   | B                              |
|--|--|--------------------------------|
| Common Part                            | Resistance Value   | Tolerance                      |
| MRS - Precision Thin Film Chip Network | 100 ohms<br>(100 ohms) 100R<br><br>1K ohm<br>(1000 Ohms) 1K0<br><br>100K ohm<br>(100000 ohms) 100K | B ± 0.1%<br>D ± 0.5%<br>F ± 1% |