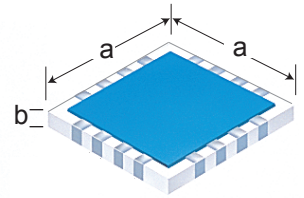


# State of the Art, Inc.

## MIL-PRF-914 Surface Mount Resistor Network

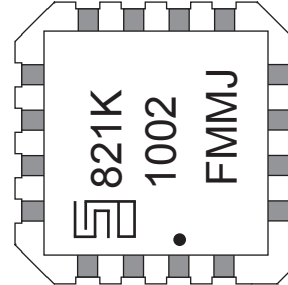
### /03 Solderable Semi-precision Thick Film



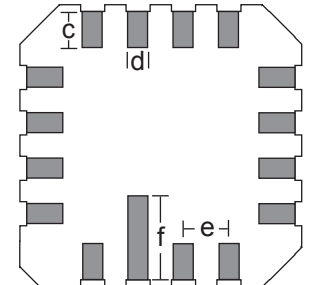
### Performance

Resistance Range	10Ω to 2.2 MΩ
Tolerances (± %)	1, 2, 5, 10, 20
TCR (± ppm/°C)	100, 200, 300
Power Rating (Package)	800 mW
Voltage Rating	50 V
Operating Range	-65 to 150°C

Date Code (yww), TCR, value, tolerance, schematic, product level, & JAN mark (J).

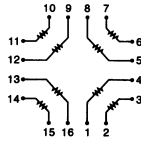


Part Marking

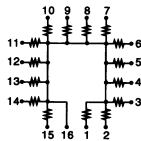


Bottom Side

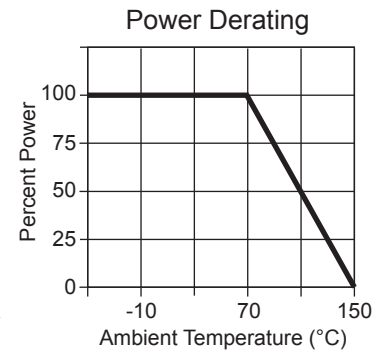
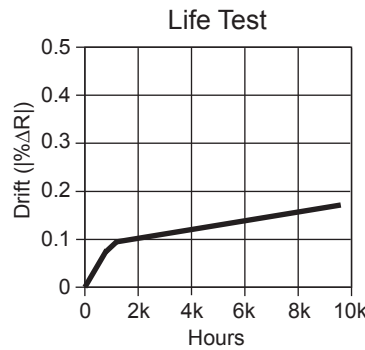
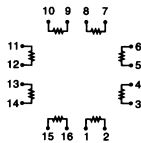
Schematic E  
800 mW/network  
100 mW/resistor



Schematic M  
750 mW/network  
50 mW/resistor



Schematic W  
800 mW/network  
100 mW/resistor



### Part Number

M914D03K1002FMM -TR

Packaging: -TR: Tape & Reel -W: Waffle Tray (Default Packaging is Bulk)

Established Reliability Failure Rate Level: M: 1% per 1000 hours

Schematic: E M P (see schematics above)

Resistance Tolerance: F: 1% G: 2% J: 5% K: 10% M: 20% L: 25% N: 30% S: 50%

Resistance Value: Three (>2% tolerance) or four numerals (≤1% tolerance) with the leading numerals significant and the last numeral indicating the number of zeros to add. The letter R is used as the decimal when required.

Temperature Characteristic (ppm/°C): K: ±100 M: ±300

Size Code: 03 is nominally 0.300" x 0.300"

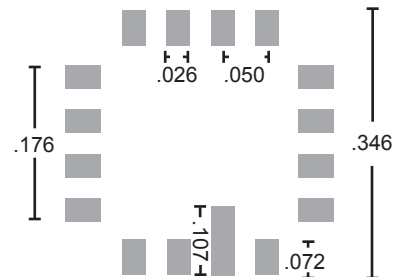
Termination Material: D: Plated SnPb tin-lead solder over nickel barrier G: Hot solder dip Sn60Pb40 tin-lead solder over nickel barrier

MIL-PRF-914 Performance Specification

### Mechanical

	Inches	Millimeters
Length & Width (a)	.300(.292 - .308)	7.62(7.42 - 7.82)
Thickness (b)	.042(.038 - .050)	1.06(0.96 - 1.27)
Bottom Terminations		
Length (c)	.045(.037 - .053)	1.14(0.94 - 1.35)
Width (d)	.022(.022 - .028)	0.56(0.56 - 0.71)
Pitch (e)	.050(.042 - .058)	1.27(1.07 - 1.47)
Pin 1 Length (f)	.080(.072 - .088)	2.03(1.83 - 2.24)

Recommended Minimum Bond Pads (inches)



Approximate Weight D Material 0.221 g  
G Material 0.227 g

State of the Art, Inc. 2470 Fox Hill Road, State College, PA, USA 16803-1797

www.resistor.com Telephone: 814-355-8004 Toll Free: 800-458-3401 Fax: 814-355-2714

Specifications Subject to Change Without Notice

All Products Made in the USA

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