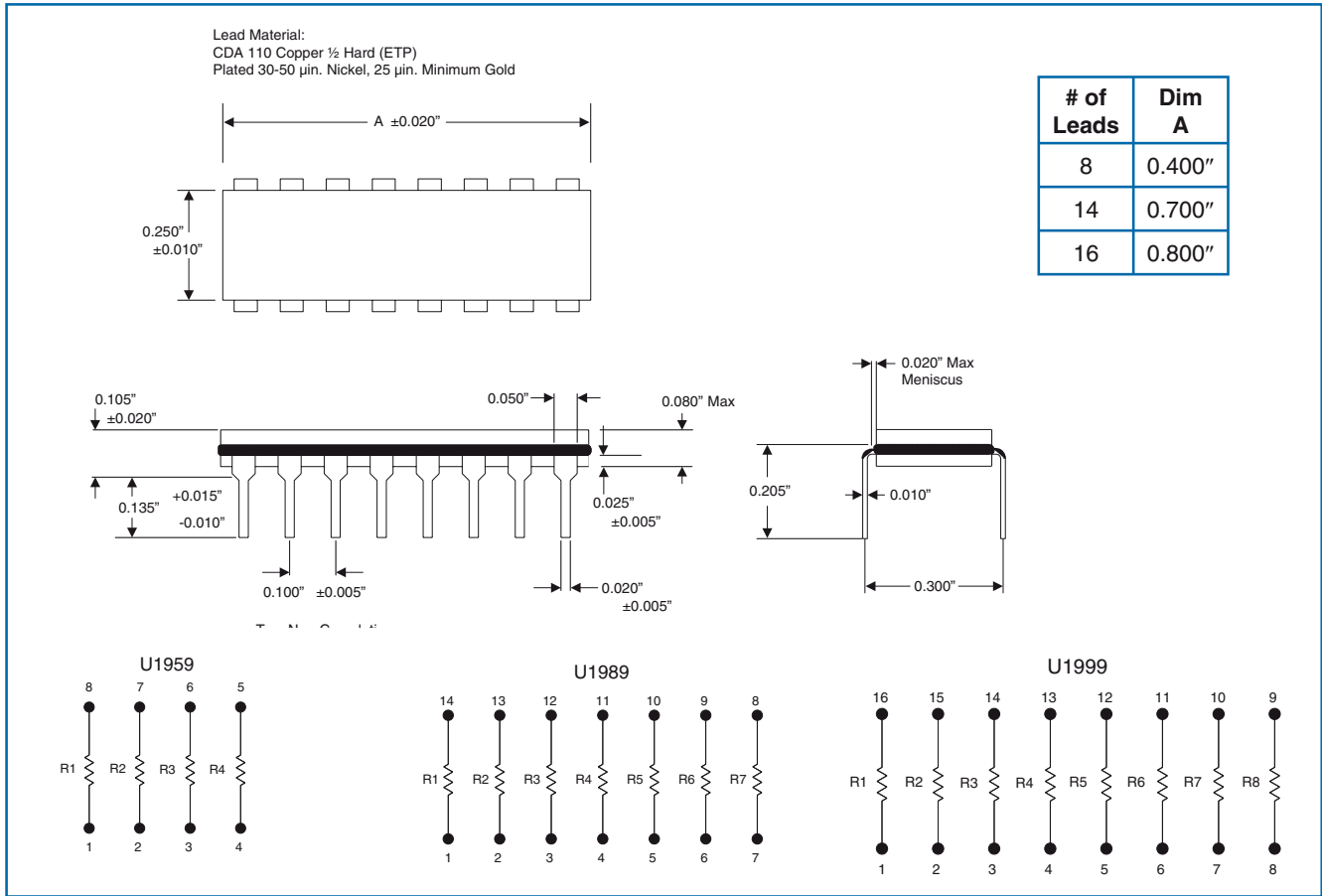
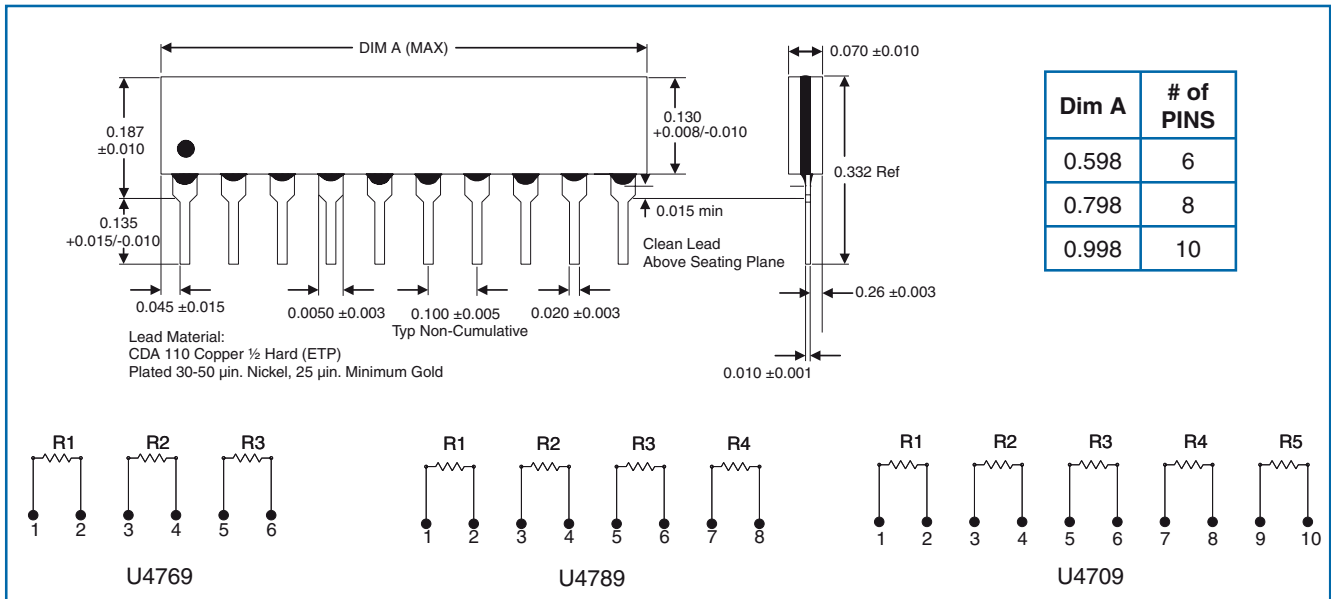


Ultra Precision Series

Physical Data and Electrical Schematics - DIP



Physical Data and Electrical Schematics - SIP



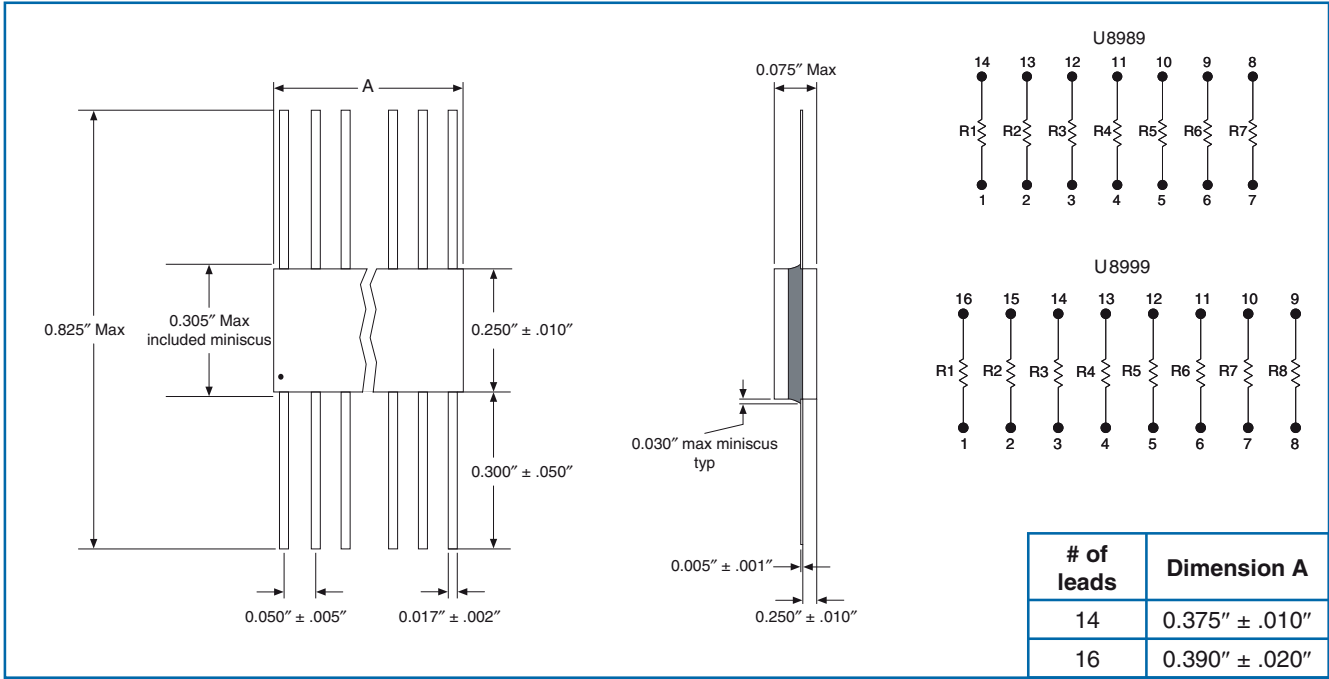
General Note

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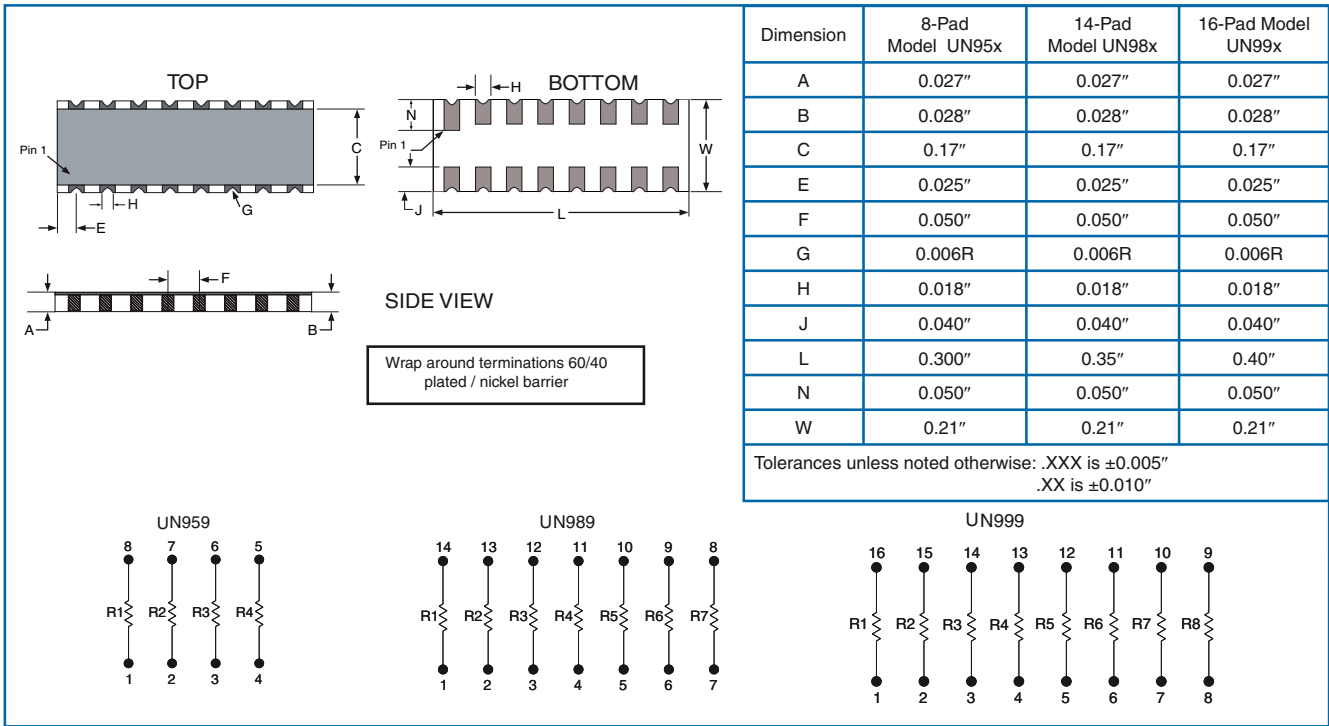
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Physical Data and Electrical Schematics - Flat Pack



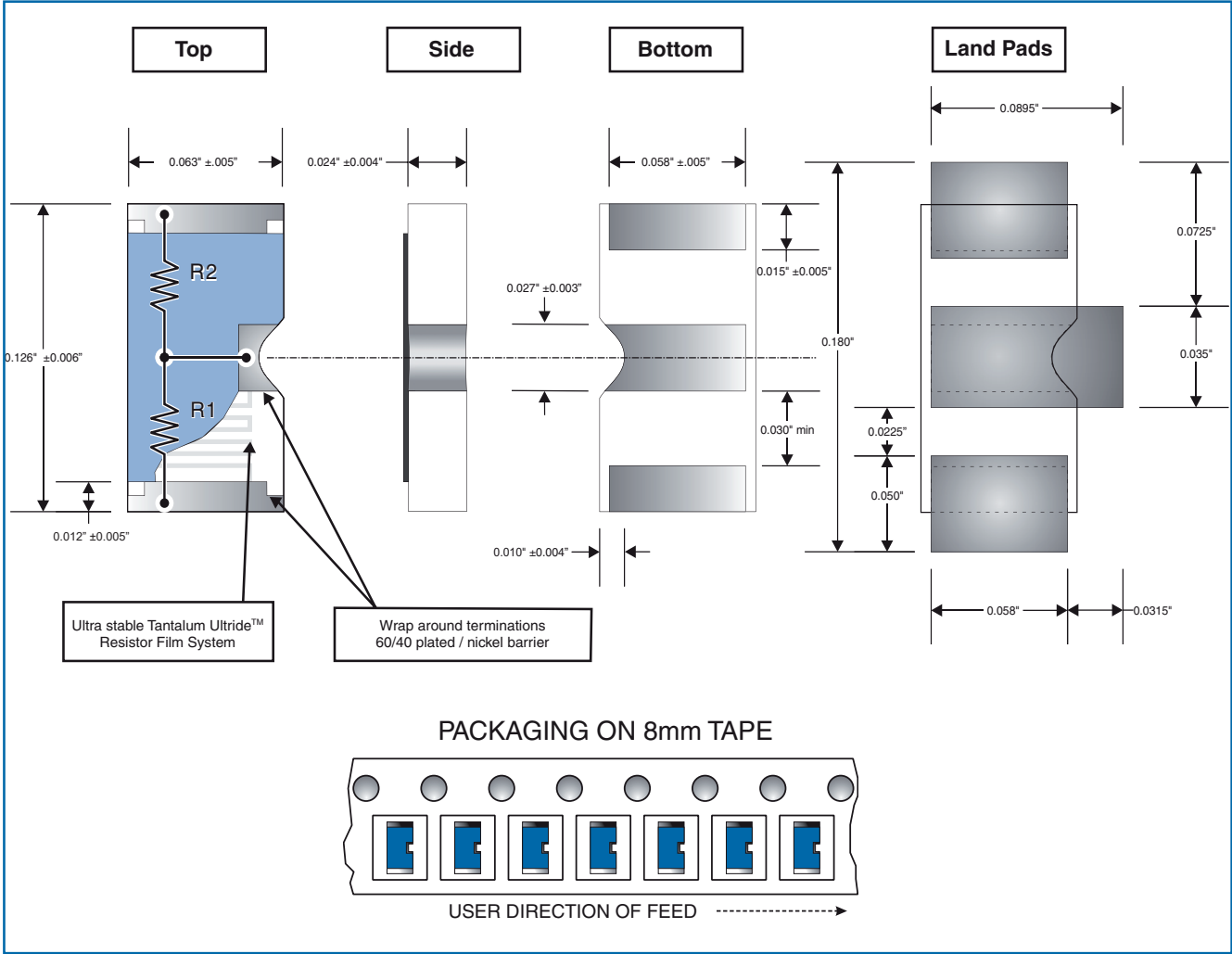
Physical Data and Electrical Schematics - SON



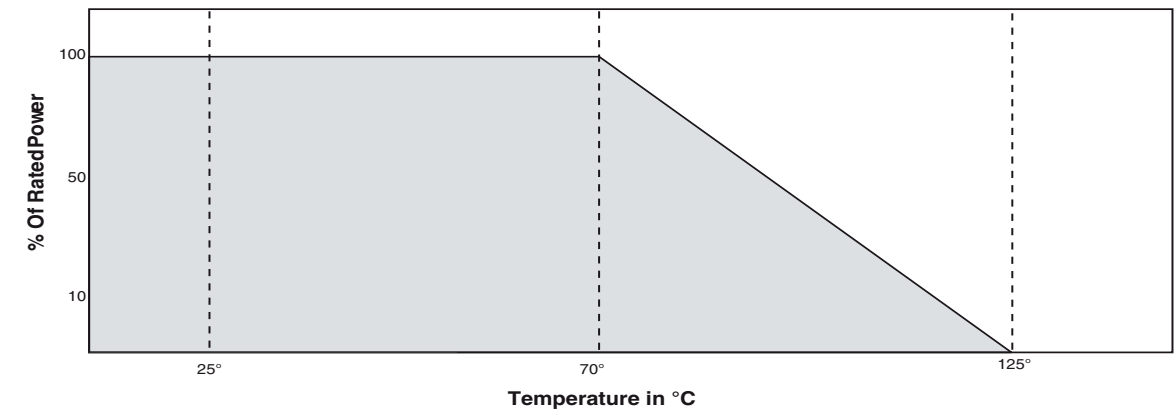
General Note

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Physical Data and Electrical Schematics - PFC Divider



Power Derating Curve



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Ultra Precision Series

Ordering Data
DIP

Family.....**DIP** - **U1999** - **03** - **1001** - **B** - **S** - **2**

Model Number.....
U1959: 8-Pin Schematic A
U1989: 14-Pin Schematic A
U1999: 16-Pin Schematic A

TCR Characteristic.....
Code TCR (ppm/°C)
03 ±25
11 ±15
12 ±10

Resistance Code.....
Standard Four Digit MIL Resistance Code
Example: 1002 = 10KΩ

TCR Tracking to R₁
1 = ±1 ppm/°C; 2 = ±2 ppm/°C; 5 = ±5 ppm/°C

Ratio Tolerance to R₁ Code
B = ±0.1%; A = ±0.05%; Q = ±0.02%; S = ±0.025%; T = ±0.01%

Absolute Tolerance Code
F = ±1.0%; D = ±0.5%; C = ±0.25%;
B = ±0.1%; A = ±0.05%; Q = ±0.02%

Packaging
Standard Packaging: Shipping Magazines

SIP

Family.....**SIP** - **U4709** - **12** - **1001** - **Q** - **S** - **2**

Model Number.....
U4769: 6-Pin Schematic G
U4789: 8-Pin Schematic G
U4709: 10-Pin Schematic G

TCR Characteristic.....
Code TCR (ppm/°C)
03 ±25
11 ±15
12 ±10

Resistance Code.....
Standard Four Digit MIL Resistance Code
Example: 1002 = 10KΩ

TCR Tracking to R₁
1 = ±1 ppm/°C; 2 = ±2 ppm/°C; 5 = ±5 ppm/°C

Ratio Tolerance to R₁ Code
B = ±0.1%; A = ±0.05%; Q = ±0.02%; S = ±0.025%; T = ±0.01%

Absolute Tolerance Code
F = ±1.0%; D = ±0.5%; C = ±0.25%;
B = ±0.1%; A = ±0.05%; Q = ±0.02%

Packaging
Standard Packaging: Shipping Magazines

Flat Pack

Family.....**FP** - **U8999** - **05** - **1001** - **Q** - **S** - **2**

Model Number.....
8989: 14-Pin Schematic A
8999: 16-Pin Schematic A

TCR Code (ppm/°C).....
Code TCR (ppm/°C)
03 ±25
11 ±15
12 ±10

Resistance Code.....
Standard Four Digit MIL Resistance Code
Example: 1002 = 10KΩ

TCR Tracking to R₁
1 = ±1 ppm/°C; 2 = ±2 ppm/°C; 5 = ±5 ppm/°C

Ratio Tolerance to R₁ Code
B = ±0.1%; A = ±0.05%; Q = ±0.02%; S = ±0.025%; T = ±0.01%

Absolute Tolerance Code
F = ±1.0%; D = ±0.5%; C = ±0.25%;
B = ±0.1%; A = ±0.05%; Q = ±0.02%

Packaging
Standard Packaging: Shipping Magazines

General Note

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Ultra Precision Series

Ordering Data (continued)

SON

Family

SON

UN989

03

1001

B

S

2

Model Number

UN959: 8-Pin Schematic A

UN989: 14-Pin Schematic A

UN999: 16-Pin Schematic A

TCR Characteristic

Code

TCR (ppm/°C)

03

±25

11

±15

12

±10

Resistance Code

Standard Four Digit MIL Resistance Code

1002 = 10KΩ

TCR Tracking to R_i

1 = ±1 ppm/°C; 2 = ±2 ppm/°C; 5 = ±5 ppm/°C

Ratio Tolerance to R_i Code

B = ±0.1%; A = ±0.05%; Q = ±0.02%; S = ±0.025%; T = ±0.01%

Absolute Tolerance Code

F = ±1.0%; D = ±0.5%; C = ±0.25%; B = ±0.1%; A = ±0.05%; Q = ±0.02%

Packaging

Standard Packaging: Shipping Magazines

PFC-Divider

Family

PFC

UD1206

03

1002

3301

B

S

1

Model Number

UD1206

TCR Characteristic

Code

TCR (ppm/°C)

03

±25

11

±15

12

±10

R1 Resistance Code

Standard Four Digit MIL Code

Ex: 1002 = 10KΩ

TCR Tracking

1 = ±1 ppm/°C; 2 = ±2 ppm/°C; 5 = ±5 ppm/°C

Ratio Tolerance to R_i Code

B = ±0.1%; A = ±0.05%; Q = ±0.02%; S = ±0.025%; T = ±0.01%

Absolute Tolerance Code

F = ±1.0%; D = ±0.5%; C = ±0.25%; B = ±0.1%; A = ±0.05%; Q = ±0.02%

R2 Resistance Code

Standard Four-Digit MIL Code

Packaging

See physical data for Tape & Reel details.

For additional information or to discuss your specific requirements, please contact our Applications Team using the contact details below.

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