CUSTOM NETWORKS

DSN SERIES - SIP Networks
DDN SERIES - DIP Networks
DLN SERIES - SM Networks

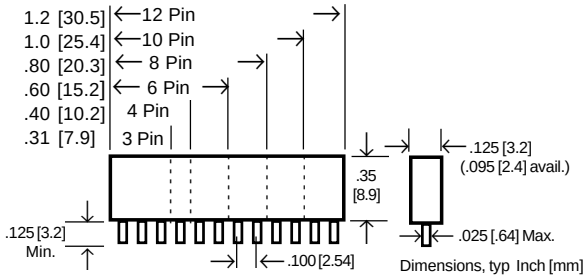
RoHS Term. W is RoHS compliant & 260°C process compatible

- ❒ Industry's widest range of custom networks!
- ❒ Available on exclusive ***SWIFT™*** delivery program
- ❒ Very economical in any volume
- ❒ SIP package sizes: 3 to 12-pin std., (2 to 40-pin avail.)
- ❒ DIP package sizes: 14 & 16-pin std., (4 to 40-pin avail.)
- ❒ Resistor matching to .005% 1PPM TC
- ❒ Wide range of custom and low-profile sizes available. Custom circuits are designed to the specific application utilizing virtually any combination of R/L/C/D components.

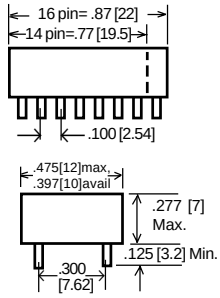
Custom R/L/C/D networks with little or no tooling charge!
RCD's custom networks are a cost effective approach for numerous applications. Networks can be comprised solely of resistors, capacitors, inductors, diodes, or any combination. Depending on the requirements, custom networks are produced via monolithic (single substrate) or discrete construction. Discrete networks utilize various chip or leaded components welded or soldered into a circuit, then encapsulated into a molded epoxy case. Discrete networks provide wide design flexibility, fast delivery, and low set-up costs. Monolithic networks are conformal coated and generally enable lowest cost in medium to higher volumes.

SERIES DSN SIP DIMENSIONS

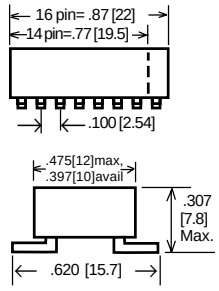
Odd pin counts also available



SERIES DDN DIP

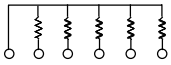


SERIES DLN SURFACE MOUNT

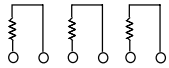


DSN STANDARD CONFIGURATIONS

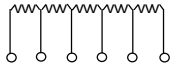
Config.#1 (3-12 pin)



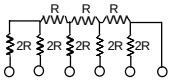
Config.2 (4,6,8,10,12pin)



Config. #6 (3-12 pin)

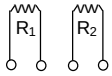


Config.#7 (6 -12 pin)



Config.8 (3pin)

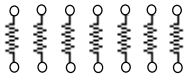
Config.9 (4pin)



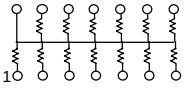
Standard configurations have single resistance value per package exept Config's 7, 8, & 9.

DDN & DLN STANDARD CONFIGURATIONS

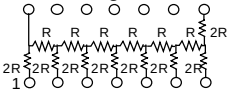
Config. A



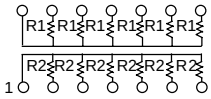
Config. B



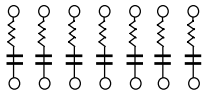
Config. C



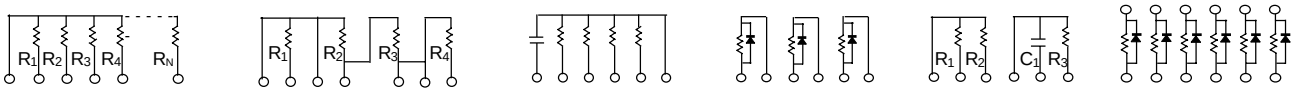
Config. D



Config. E



TYPICAL CUSTOM CONFIGURATIONS: (part numbers are assigned by factory)



SPECIFICATIONS:

Resistors (thick-film, thin-film, wirewound, foil, composition): 0.005Ω to 4000Meg, ±0.005% to 5%, ±2 to 200ppm, .125W is standard (available up to 1W)

Capacitors (ceramic or tantalum):
NPO: 0.47pf - 0.1pf, ±0.5% to ±10%
X7R: 100pf - 2.2µf, ±2% to ±20%
X5R: 100pf - 10µf, ±2% to ±20%
Z5U/Y5V: 1000pf-10µf, ±10% to +80-20%
Tantalum: 0.1uF- 220uF, ±1% to ±20%

Diodes: fast speed diodes such as 1N3595, 1N4148, 1N4150, etc., Schottky, Germanium,etc.

Inductors (thick-film, thin-film, wirewound): 1nH to 1000uH, ±10% (±1% to ±20% avail)

P/N DESIGNATION: (consult factory for non-std circuits)

DSN 08 2 ❒ - 1002 - F F ❒ W

DSN, DDN, or DLN
Number of Pins (02 to 40)
Configuration
Option (leave blank if standard)
Res.Code .01%-1%: 3 sig. figures & multiplier (10R0=10Ω, 1001=1KΩ) 2%-5%: 2 sig. figures & multiplier (1R0=1Ω, 102=1K, 105=1M). When comprised of 2 values, separate with /, e.g. 181/391=180Ω/390Ω
Tolerance: T=.01%,Q=.02%,A=.05%,B=.1%,C=.25%,D=.5%,F=1%,G=2%,J=5%
Ratio Tolerance: V=0.005%, Y=0.01%, Q=0.02%, A=0.05%, Z=0.1%, C=0.25%, D=0.5%, F=1%, G=2% (leave blank if not required)
TC (leave blank for 200ppm std): 101=100ppm, 125=100ppm abs/25ppm track, 50=50ppm, 525=50ppm abs/25ppm track, 510=50ppm ab/10ppm track, 25=25ppm, 210=25ppm ab/10ppm track, 205=25ppm ab/5ppm track, 10=10ppm, 105=10ppm ab/5ppm track, 102=10ppm ab/2ppm track, 5=5ppm, 55=5ppm abs/5ppm track, 53=5ppm ab/3ppm track, 52=5ppm ab/2ppm track, 51=5ppm ab/1ppm track
Termination: W= Lead-free, Q= Tin/Lead (leave blank if either is acceptable)

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