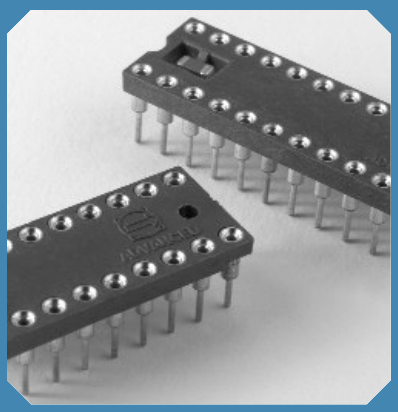
Decoupling Capacitor DIPs with Murphy Circuits®



Features:

- Quietest decoupling capacitor socket available.
- Insert molded circuit with committed voltage and ground terminals.
- .014/(.36mm) thick copper circuit offers excellent electrical and thermal conductivity.
- Standard decoupling capacitor values of .01µf, .1µf and .33µf. Other capacitor values available to suit your electrical requirements.
- Mounted height above PCB of .165/(4.19mm).
- Test report available upon request.

Specifications:

Terminals and Contacts:

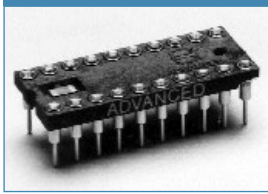
Terminal: Brass - Copper Alloy (C36000) ASTM-B-16
Contact: Beryllium Copper - Copper Alloy (C17200) ASTM-B-194
Circuit: Copper

Plating:

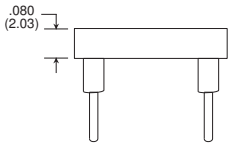
Terminal: G - Gold over Nickel
T - Tin/Lead over Nickel
Contact: G - Gold over Nickel
T - Tin/Lead over Nickel
Circuit: Tin/Lead*

Gold per ASTM-B-488
Tin/Lead per MIL-P-81728
Nickel per QQ-N-290

Table of Models



Description: Decoupling Capacitor Socket (MDC)
Material: High Temperature Glass Filled Thermoplastic* U.L. Rated 94V-0
Index: -60°C to 260°C (-76°F to 500°F)

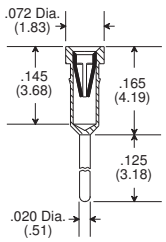


*Note: This product is not RoHS Compliant.

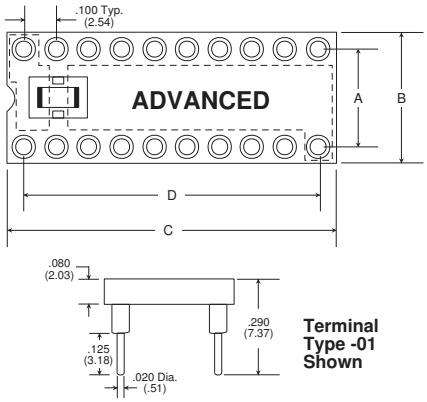
Standard Terminals

Additional standard and custom terminals available. See Terminals section or consult factory.

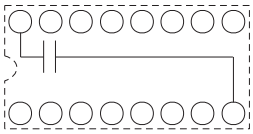
Type -01
Low Profile



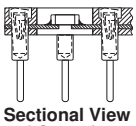
Dimensional Information



Terminal Type -01 Shown



Electrical Schematic



Sectional View of Capacitor

# of Pins	A	B	C	D
14	.300 (7.62)	.400 (10.16)	.700 (17.78)	.600 (15.24)
16	.300 (7.62)	.400 (10.16)	.800 (20.32)	.700 (17.78)
20	.300 (7.62)	.400 (10.16)	1.000 (25.40)	.900 (22.86)
22	.300 (7.62)	.400 (10.16)	1.100 (27.94)	1.000 (25.40)
24	.300 (7.62)	.400 (10.16)	1.200 (30.48)	1.100 (27.94)
24	.600 (15.24)	.700 (17.78)	1.200 (30.48)	1.100 (27.94)
28	.600 (15.24)	.700 (17.78)	1.400 (35.56)	1.300 (33.02)
40	.600 (15.24)	.700 (17.78)	2.000 (50.80)	1.900 (48.26)

Available Online

- Design your own Decoupling Capacitor DIP Socket
- Decoupling Capacitor Socket Effectiveness Study

How To Order

MDC 3 14 -01 T G .01

Body Type
Decoupling Capacitor Socket with Murphy Circuits®

DIP Spacing
3 - .300/(7.62mm)
6 - .600/(15.24mm)

Number of Pins
(14 to 40)

Terminal Type

Terminal Plating
G - Gold
T - Tin/Lead

Contact Plating
G - Gold
T - Tin/Lead

Capacitance Value
.1 = 1µf, .01 = .01µf, .33 = .33µf

ADVANCED INTERCONNECTIONS
5 Energy Way, West Warwick, RI 02893 USA
Tel: 800.424.9850 | 401.823.5200
Fax: 401.823.8723
info@advanced.com | www.advanced.com
Catalog 16

inch/(mm)