

# MOLDED POWER TRANSISTOR MOUNTS

## Material Specifications:

Nylon, per ASTM D 4066 PA111  
UL Rated 94V-2

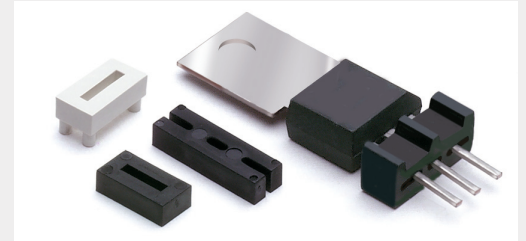
**Oxygen Rating Index:** Over 28%

## Standard Drawing Tolerances:

(unless otherwise indicated)

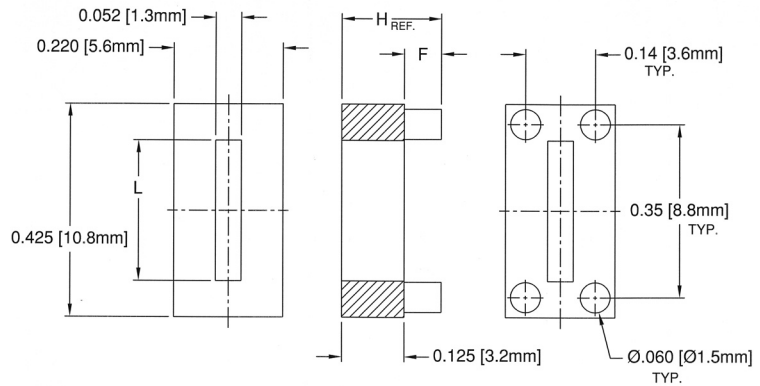
Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



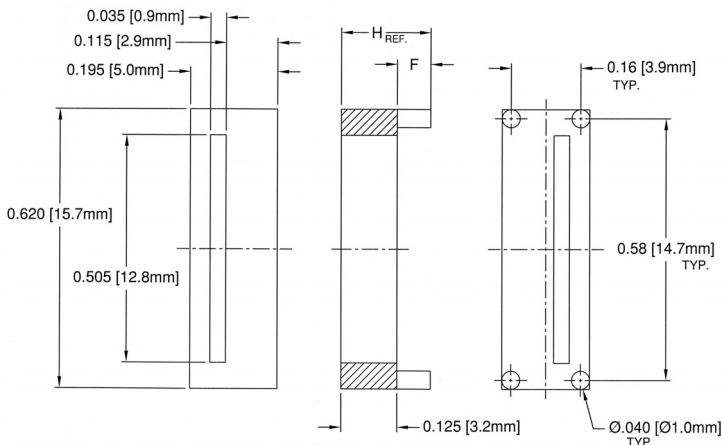
## TO-202, TO-220 Price Code: I

Part No.	H	F	L	Color
423-125	.125 (3.2)	.000	.255 (6.5)	Black
423-150	.150 (3.8)	.025 (.64)	.255 (6.5)	Black
423-175	.175 (4.4)	.050 (1.3)	.255 (6.5)	Black
423-200	.200 (5.1)	.075 (1.9)	.255 (6.5)	Black
424-125	.125 (3.2)	.000	.280 (7.1)	White
424-150	.150 (3.8)	.025 (.64)	.280 (7.1)	White
424-175	.175 (4.4)	.050 (1.3)	.280 (7.1)	White
424-200	.200 (5.1)	.075 (1.9)	.280 (7.1)	White



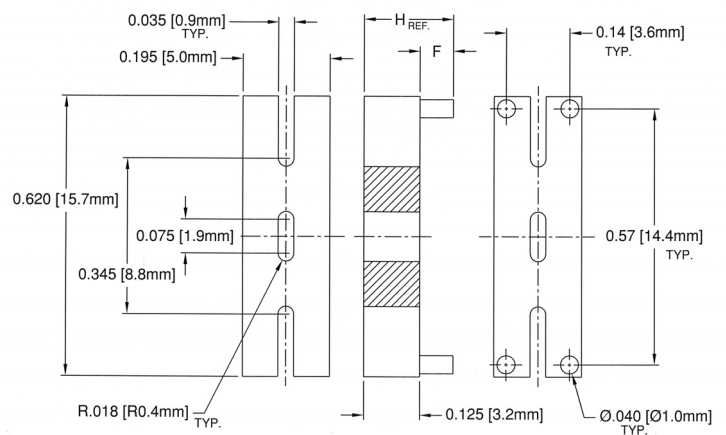
## TO-219 Price Code: J

Part No.	H	F	Color
422-125	.125 (3.2)	.000	Black
422-150	.150 (3.8)	.025 (.64)	Black
422-175	.175 (4.4)	.050 (1.3)	Black
422-200	.200 (5.1)	.075 (1.9)	Black



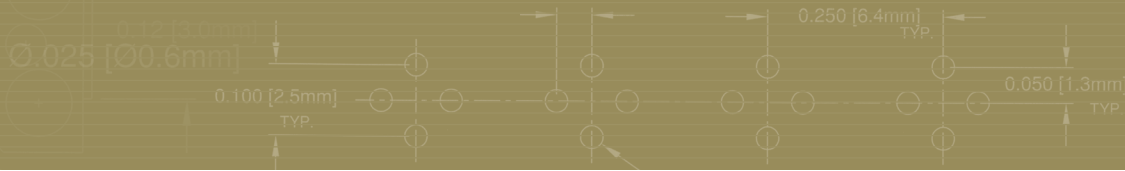
## TO-247 Price Code: J

Part No.	H	F	Color
426-125	.125 (3.2)	.000	Black
426-150	.150 (3.8)	.025 (.64)	Black
426-175	.175 (4.4)	.050 (1.3)	Black
426-200	.200 (5.1)	.075 (1.9)	Black



# EXTRUDED POWER TRANSISTOR MOUNTS

- Standard lengths from .030" - .750" (.76mm - 19.1mm) in .005" (.13mm) increments
- Made from semi-rigid PVC UL Rated material



## Standard Tolerances:

O.D. ±.005 (.13)

I.D. ±.005 (.13)

"H" Dim: .030 - .500 (.76 - 12.7) is ±.005 (.13)

"H" Dim: .500 - .750 (12.7 - 19.1) is ±.008 (.20)

## Ordering Information:

EPM XXX

Length Expressed in Thousandths  
(in .005" increments)

(Must be even multiples of .005")

0.030 = 030    0.750 = 750

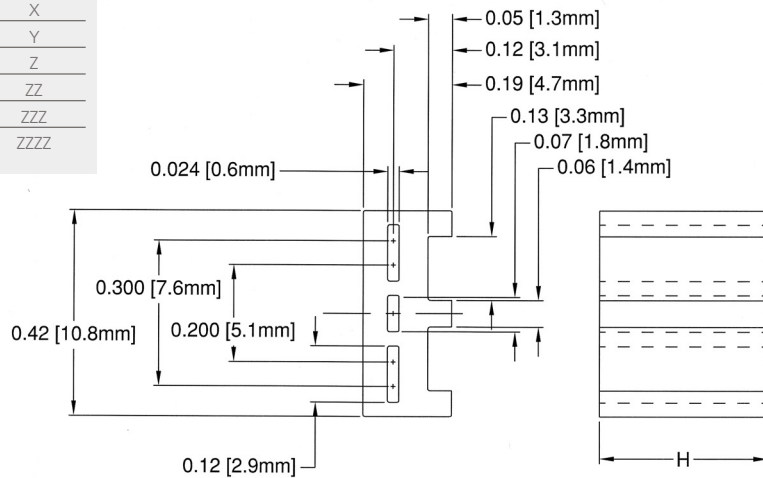
0.100 = 100

Series: EPM

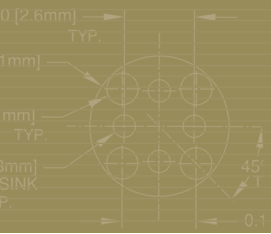
## EPM Series

Color: Natural

Part No.	"H" Dimensions	Price Code
EPM-030 thru EPMH-075	.030-.075 (.76-1.9)	W
EPM-080 thru EPMH-150	.080-.150 (2.0-3.8)	X
EPM-155 thru EPMH-230	.155-.230 (4.0-5.8)	Y
EPM-235 thru EPMH-310	.235-.310 (6.0-7.9)	Z
EPM-315 thru EPMH-380	.315-.380 (8.0-9.7)	ZZ
EPM-385 thru EPMH-495	.385-.495 (9.8-12.6)	ZZZ
EPM-500 thru EPMH-750	.500-.750 (12.7-19.1)	ZZZZ



# CAPACITOR MOUNTS



## Material Specifications:

Natural or black Nylon, per ASTM D 4066  
PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

## Standard Drawing Tolerances:

(unless otherwise indicated)

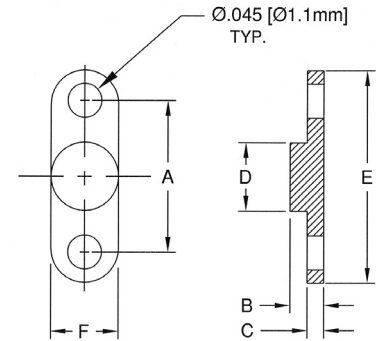
Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)  
.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



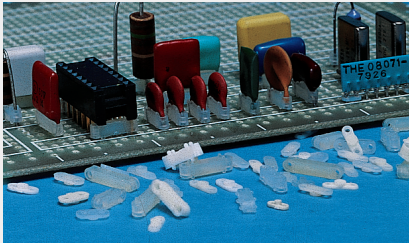
## 300 Series

Color: Natural

Part No.	A55485/ M38527/06	A	B	C	D	E	F	Price Code
300-100-022	-	.100 (2.5)	N.A.	.022 (.55)	N.A.	.180 (4.6)	.090 (2.3)	A
300-100-03	-	.100 (2.5)	.030 (.76)	.011 (.28)	.050 (1.3)	.180 (4.6)	.090 (2.3)	A
300-100	-008N	.100 (2.5)	.045 (1.1)	.022 (.55)	.050 (1.3)	.180 (4.6)	.090 (2.3)	A
300-100-075	-	.100 (2.5)	.075 (1.9)	.022 (.55)	.055 (1.4)	.180 (4.6)	.090 (2.3)	A
301-150CS	-	.150 (3.8)	N.A.	.022 (.55)	N.A.	.270 (6.9)	.125 (3.2)	A
301-150-030	-	.150 (3.8)	.030 (.76)	.011 (.28)	.090 (2.3)	.270 (6.9)	.125 (3.2)	A
301-150-040	-	.150 (3.8)	.040 (1.0)	.022 (.55)	.090 (2.3)	.270 (6.9)	.125 (3.2)	A
301-150	-009N	.150 (3.8)	.045 (1.1)	.022 (.55)	.090 (2.3)	.270 (6.9)	.125 (3.2)	A
301-150 MOD	-	.150 (3.8)	.045 (1.1)	.022 (.55)	.090 (2.3)	.240 (6.1)	.090 (2.3)	A
302-200-030	-	.200 (5.1)	.030 (.76)	.011 (.28)	.090 (2.3)	.290 (7.4)	.090 (2.3)	A
302-200-040	-	.200 (5.1)	.040 (1.0)	.022 (.55)	.090 (2.3)	.290 (7.4)	.090 (2.3)	A
302-200	-010N	.200 (5.1)	.045 (1.1)	.022 (.55)	.090 (2.3)	.290 (7.4)	.090 (2.3)	A
303-250	-017N	.250 (6.4)	.045 (1.1)	.026 (.66)	.090 (2.3)	.340 (8.6)	.090 (2.3)	A
304-300	-018N	.300 (7.5)	.045 (1.1)	.026 (.66)	.140 (3.6)	.390 (9.9)	.090 (2.3)	B
305-350	-019N	.350 (8.9)	.045 (1.1)	.030 (.76)	.140 (3.6)	.440 (11.2)	.090 (2.3)	B
306-400	-020N	.400 (10.2)	.045 (1.1)	.030 (.76)	.190 (4.8)	.490 (12.4)	.090 (2.3)	B
307-500	-021N	.500 (12.7)	.045 (1.1)	.030 (.76)	.190 (4.8)	.590 (12.4)	.090 (2.3)	B



# CAPACITOR MOUNTS



## Material Specifications:

Natural or black Nylon, per ASTM D 4066  
PA111, UL Rated 94V-2

Oxygen Rating Index: Over 28%

## Standard Drawing Tolerances:

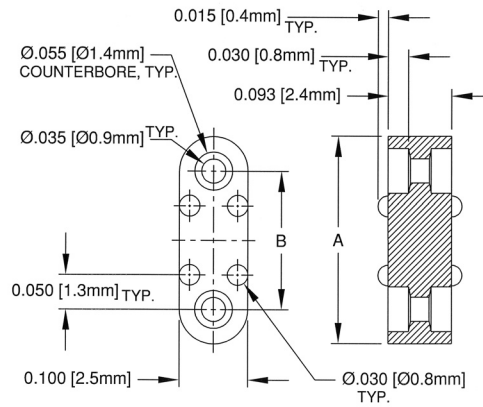
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)  
.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

## 311 thru 316 Series

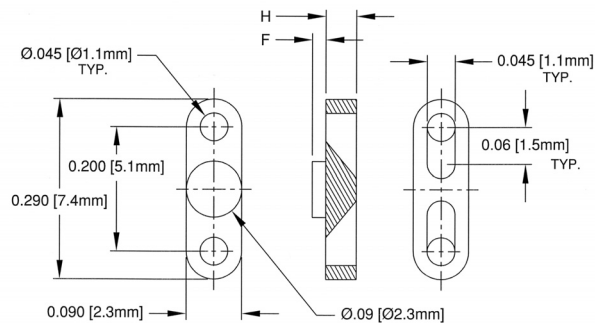
Color: Natural

Part No.	A55485/06 M38527/06	A	B	Price Code
311-200	-023N	.300 (7.6)	.200 (5.1)	A
312-250	-024N	.350 (8.9)	.250 (6.4)	A
313-300	-025N	.400 (10.2)	.300 (7.6)	A
314-350	-026N	.450 (11.4)	.350 (8.9)	B
315-400	-027N	.500 (12.7)	.400 (10.2)	B
316-500	-028N	.600 (15.2)	.500 (12.7)	B



## 330 Series Discrete

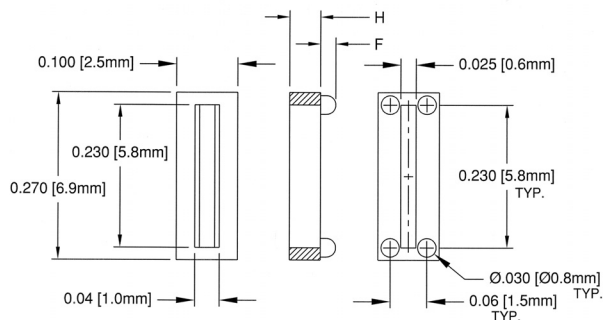
Part No.	A55485/06 M38527/06	H	F	Price Code
330-050	-047N	.050 (1.3)	.000	A
330-072	-046N	.072 (1.8)	.022 (.56)	A
330-085	-048N	.085 (2.2)	.035 (.89)	A



## 388 Series

Color: Black

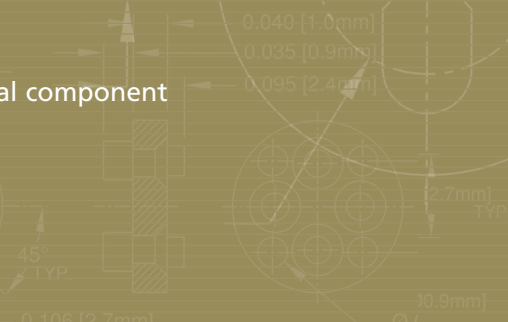
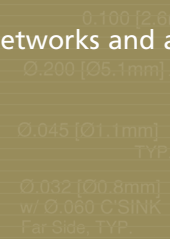
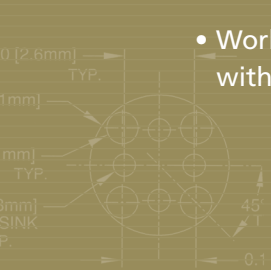
Part No.	H	F	Price Code
388-025	.025 (.64)	.000	A
388-050	.050 (1.3)	.025 (.64)	A
388-075	.075 (1.9)	.050 (1.3)	A



# CAPACITOR MOUNTS

## Single In-Line Mounts

- Works with Capacitors, Resistor Networks and any other electrical component with in-line lead configurations



### Material Specifications:

Natural Nylon, per ASTM D4066  
PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

(unless otherwise indicated)

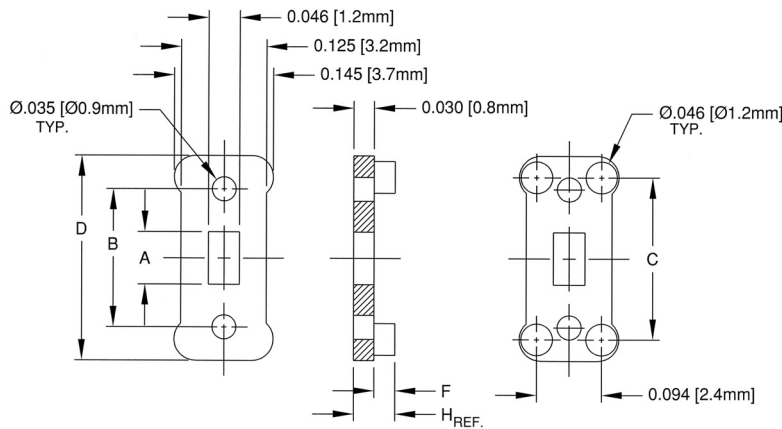
Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



### 3XX Series

Part No.	A	B	C	D	F	H	Price Code
330-200					.000	.030 (.76)	
331-200	.076 (1.9)	.200 (5.1)	.235 (6.0)	.297 (7.5)	.030 (.76)	.060 (1.5)	A
332-200					.060 (1.5)	.090 (2.3)	
335-300					.000	.030 (.76)	
336-300	.176 (4.5)	.300 (7.6)	.335 (8.5)	.397 (10.1)	.030 (.76)	.060 (1.5)	A
337-300					.060 (1.5)	.090 (2.3)	
340-400					.000	.030 (.76)	
341-400	.276 (7.0)	.400 (10.2)	.435 (11.0)	.497 (12.6)	.030 (.76)	.060 (1.5)	B
342-400					.060 (1.5)	.090 (2.3)	
345-500					.000	.030 (.76)	
346-500	.376 (9.6)	.500 (12.7)	.535 (13.6)	.597 (15.2)	.030 (.76)	.060 (1.5)	B
347-500					.060 (1.5)	.090 (2.3)	
350-600					.000	.030 (.76)	
351-600	.476 (12.1)	.600 (15.2)	.635 (16.1)	.697 (17.7)	.030 (.76)	.060 (1.5)	G
352-600					.060 (1.5)	.090 (2.3)	
355-700					.000	.030 (.76)	
356-700	.576 (14.6)	.700 (17.8)	.735 (18.7)	.797 (20.2)	.030 (.76)	.060 (1.5)	G
357-700					.060 (1.5)	.090 (2.3)	



# CAPACITOR MOUNTS

## Single In-Line Mounts



### Material Specifications:

Natural Nylon, per ASTM D4066  
PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

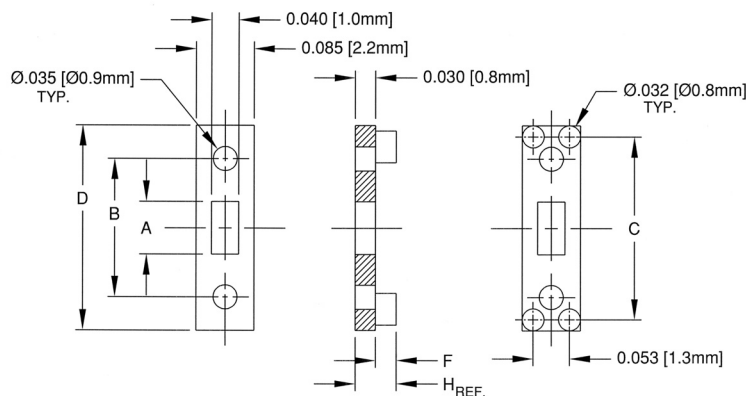
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

### 36X, 37X, 38X Series

Part No.	A	B	C	D	F	H	Price Code
360-200					.000	.030 (.76)	
361-200	.076 (1.9)	.200 (5.1)	.235 (6.0)	.297 (7.5)	.030 (.76)	.060 (1.5)	A
362-200					.060 (1.5)	.090 (2.3)	
365-300					.000	.030 (.76)	
366-300	.176 (4.5)	.300 (7.6)	.335 (8.5)	.397 (10.1)	.030 (.76)	.060 (1.5)	A
367-300					.060 (1.5)	.090 (2.3)	
370-400					.000	.030 (.76)	
371-400	.276 (7.0)	.400 (10.2)	.435 (11.0)	.497 (12.6)	.030 (.76)	.060 (1.5)	B
372-400					.060 (1.5)	.090 (2.3)	
375-500					.000	.030 (.76)	
376-500	.376 (9.6)	.500 (12.7)	.535 (13.6)	.597 (15.2)	.030 (.76)	.060 (1.5)	B
377-500					.060 (1.5)	.090 (2.3)	
380-600					.000	.030 (.76)	
381-600	.476 (12.1)	.600 (15.2)	.635 (16.1)	.697 (17.7)	.030 (.76)	.060 (1.5)	G
382-600					.060 (1.5)	.090 (2.3)	
385-700					.000	.030 (.76)	
386-700	.576 (14.6)	.700 (17.8)	.735 (18.7)	.797 (20.2)	.030 (.76)	.060 (1.5)	G
387-700					.060 (1.5)	.090 (2.3)	



# INTEGRATED CIRCUIT MOUNTS

## Dual In-Line Mounts

### Material Specifications:

Natural Nylon, per ASTM D4066

PA111, UL Rated 94V-2

Oxygen Rating Index: Over 28%

### Standard Drawing Tolerances:

(unless otherwise indicated)

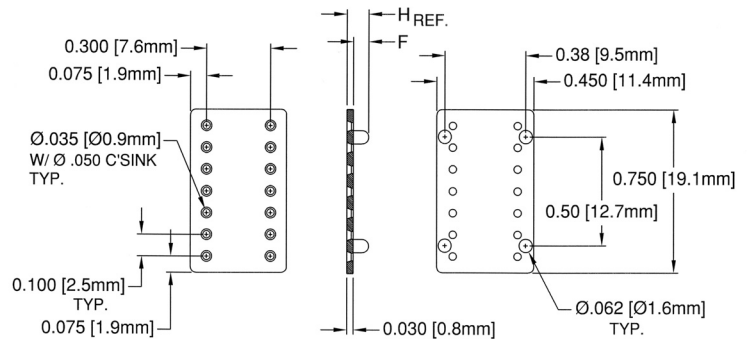
Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



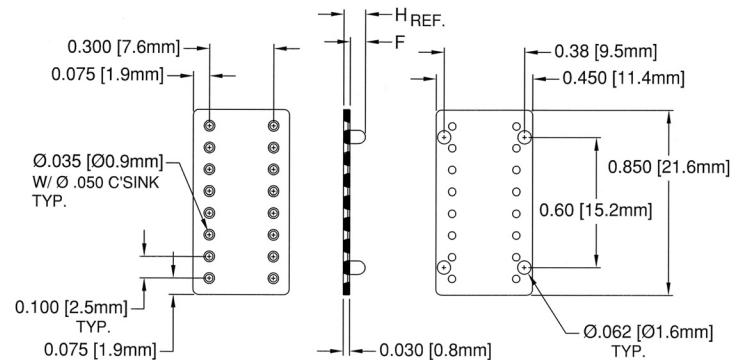
### 814 Series

Part No.	F	H	A55485/06 M38527/06	Price Code	Color
814-030	.000	.030 (.76)	-004N	C	Natural
814-045	.015 (.38)	.045 (1.1)	-	C	Black
814-060	.030 (.76)	.060 (1.5)	-005N	C	Natural
814-080	.050 (1.3)	.080 (2.0)	-006N	C	Natural
814-100	.070 (1.8)	.100 (2.5)	-	C	Black



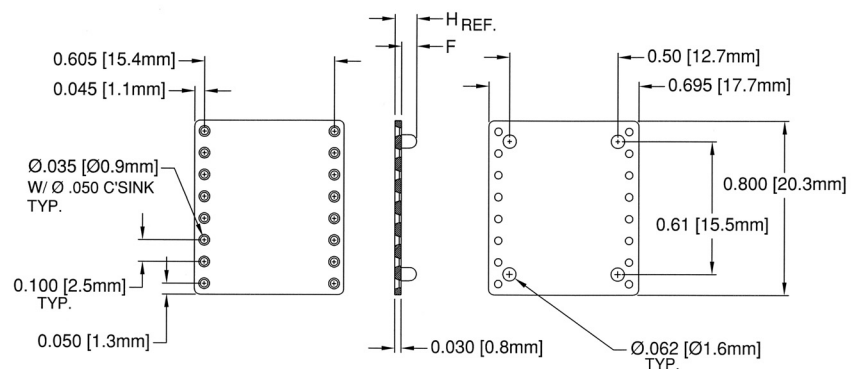
### 816 Series

Part No.	F	H	A55485/06 M38527/06	Price Code	Color
816-030	.000	.030 (.76)	-	C	Black
816-045	.015 (.38)	.045 (1.1)	-	C	Black
816-060	.030 (.76)	.060 (1.5)	-007N	C	Natural
816-080	.050 (1.3)	.080 (2.0)	-	C	Black
816-100	.070 (1.8)	.100 (2.5)	-	C	Black



### 818 Series

Part No.	F	H	A55485/06 M38527/06	Price Code	Color
818-030	.000	.030 (.76)	-	C	Black
818-045	.015 (.38)	.045 (1.1)	-	C	Black
818-060	.030 (.76)	.060 (1.5)	-	C	Black
818-080	.050 (1.3)	.080 (2.0)	-	C	Black
818-100	.070 (1.8)	.100 (2.5)	-	C	Black



# CAPACITOR MOUNTS

ECM: Electrolytic Capacitor Mounts

ECI: Electrolytic Capacitor Insulators



## ECM: Electrolytic Capacitor Mounts

Color: Natural

- Works with 5mm through 35mm industry standard electrolytic capacitors
- Insulates and protects leads
- Prevents shorting under shock and vibration

### Material Specifications:

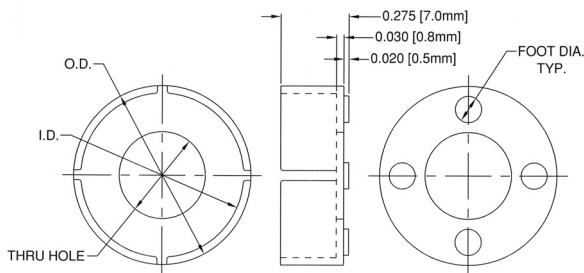
Nylon, per ASTM D4066 PA111,  
UL Rated 94V-2

### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)  
.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

Oxygen Rating Index: Over 28%



Part No.	EC Type	I.D.	O.D.	Thru Hole	Foot Dia.	Price Code
ECM-1	5	.227 (5.8)	.287 (7.3)	.125 (3.2)	.060 (1.5)	A
ECM-2	6-6.3	.273 (6.9)	.333 (8.5)	.150 (3.8)	.070 (1.8)	B
ECM-3	8	.345 (8.8)	.405 (10.3)	.225 (5.7)	.070 (1.8)	F
ECM-4	10	.424 (10.8)	.484 (12.3)	.250 (6.4)	.100 (2.5)	F
ECM-5	12.5-13	.542 (13.8)	.602 (15.3)	.350 (8.9)	.105 (2.7)	G
ECM-6	16	.660 (16.8)	.720 (18.3)	.350 (8.9)	.106 (2.7)	G
ECM-7	18	.738 (18.7)	.798 (20.3)	.350 (8.9)	.106 (2.7)	H
ECM-8	20	.817 (20.8)	.877 (22.3)	.441 (11.2)	.118 (3.0)	H
ECM-9	22	.896 (22.8)	.956 (24.3)	.449 (11.4)	.118 (3.0)	I
ECM-10	25	1.008 (25.6)	1.074 (27.3)	.547 (13.9)	.138 (3.5)	I
ECM-11	25.5	1.030 (26.2)	1.090 (27.7)	.547 (13.9)	.138 (3.5)	J
ECM-12	30	1.210 (30.5)	1.270 (32.3)	.645 (16.4)	.138 (3.5)	K
ECM-13	35	1.410 (35.8)	1.470 (37.3)	.645 (16.4)	.138 (3.5)	C



## ECI: Electrolytic Capacitor Insulators

Color: Clear

- Self-retaining
- Insulates and allows circuitry beneath capacitor
- Transparent, tough and temperature resistant

### Material Specifications:

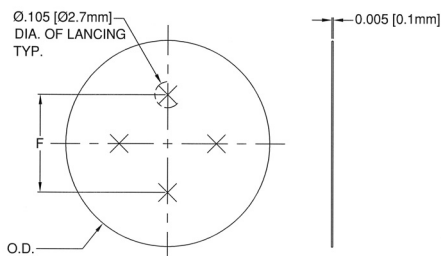
Dupont, Mylar EL-21 with  
UL Rated 94V-2

### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)  
.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

Oxygen Rating Index: Over 28%

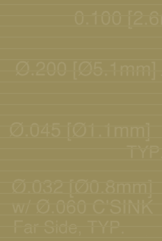
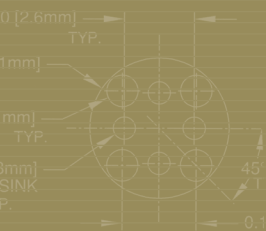


Part No.	Case Style	O.D. $\pm .005$	F	Use With
ECI-1	I	.710 (18.0)	.394 (10.0)	30
ECI-2	II	.830 (21.0)	.394 (10.0)	22, 25, 35



# PERM-O-PADS®

## TO-18 and T-1<sup>3</sup>/<sub>4</sub> (5mm) LED Mounts



### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

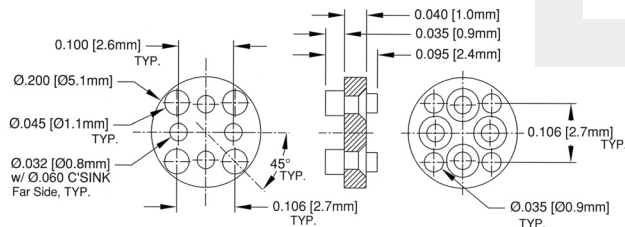
(unless otherwise indicated)

Fractions: ± 1/64 (0.4) .XX = ±0.01 (0.25)

.X = ±0.10 (2.5) .XXX = ±0.005 (0.13)

### 100-095

Price Code: A

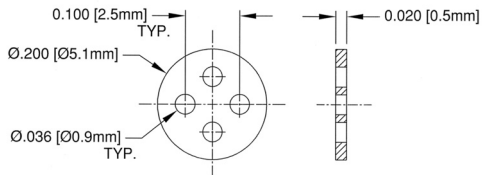


### 104-020

A55485 / 01-040N

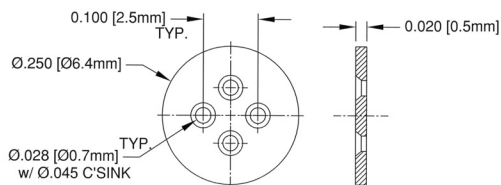
Price Code: A

M38527 / 01-040N



### 105-021

Price Code: A

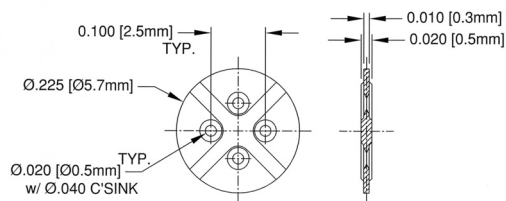


### 108-021

A55485 / 01-039N

Price Code: A

M38527 / 01-039N

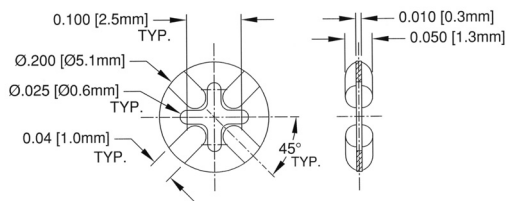


### 109-045

A55485 / 01-031N

Price Code: A

M38527 / 01-031N

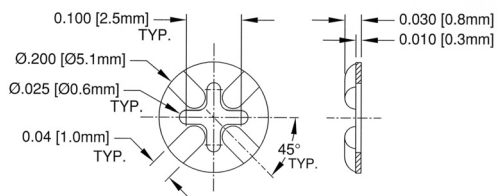


### 110-030

A55485 / 01-037N

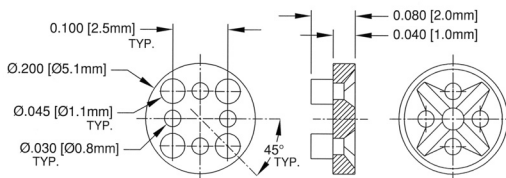
Price Code: A

M38527 / 01-037N



### 111-080

Price Code: A



# PERM-O-PADS®

## TO-18 and T-1<sup>3</sup>/<sub>4</sub> (5mm) LED Mounts

### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions: ± 1/64 (0.4) .XX = ±0.01 (0.25)

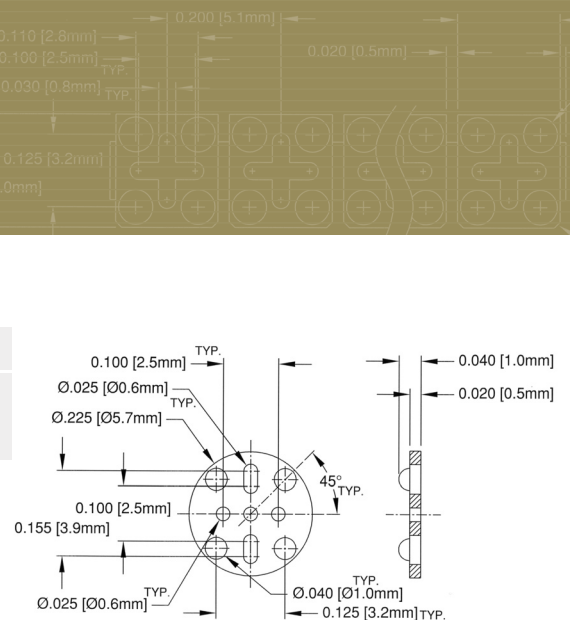
.X = ±0.10 (2.5) .XXX = ±0.005 (0.13)

### 112-040

Price Code: A

A55485 / 07-002N

M38527 / 07-002N

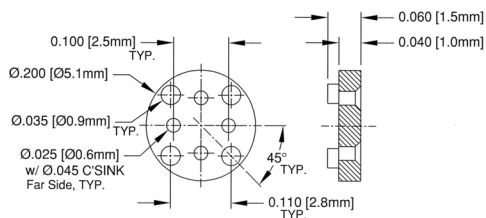


### 116-060

A55485 / 01-035N

Price Code: A

M38527 / 01-035N

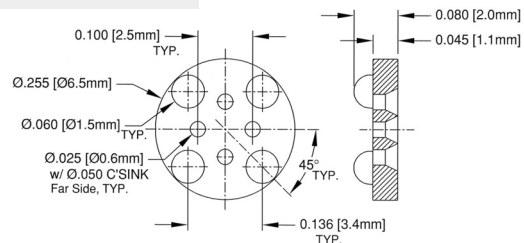


### 117-080

A55485 / 01-034N

Price Code: A

M38527 / 01-034N

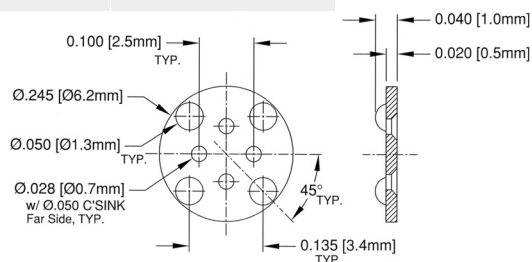


### 118-055

A55485 / 01-036N

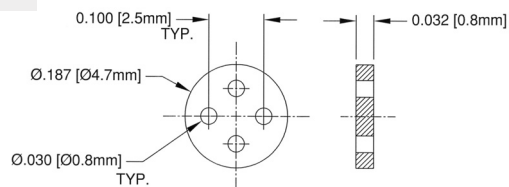
Price Code: A

M38527 / 01-036N



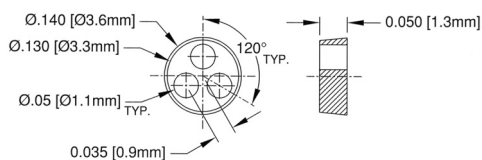
### 121-032

Price Code: A



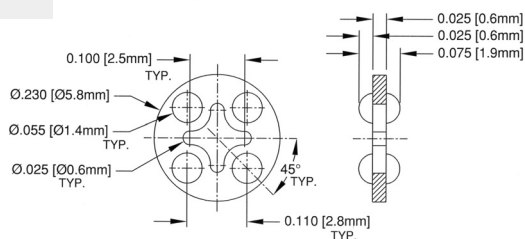
### 123-050

Price Code: A



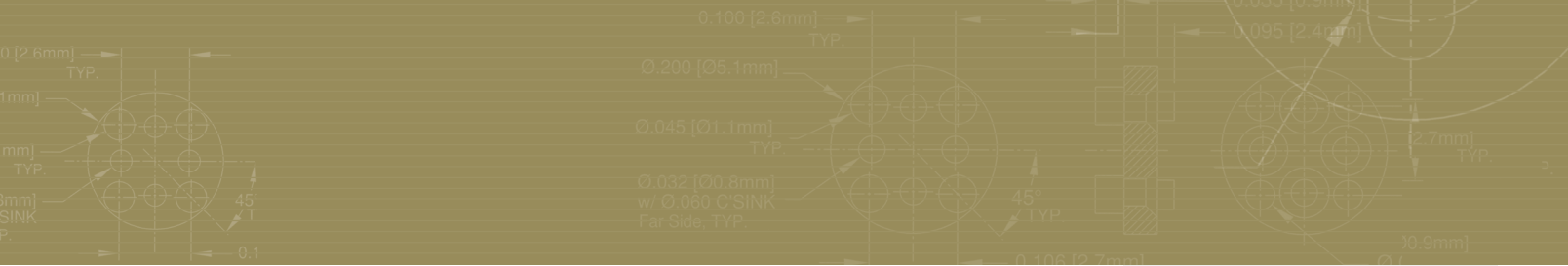
### 125-080

Price Code: A



# PERM-O-PADS®

## TO-18 and T<sup>13</sup>/32 (5mm) LED Mounts and TO-18 Spreaders



### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2

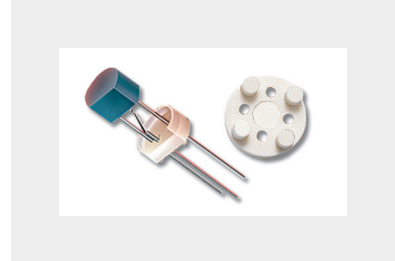
**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



**107-180** A55485 / 01-043N  
Price Code: A M38527 / 01-043N

**113-125**  
Price Code: A

**115-100** A55485 / 01-030N  
Price Code: A M38527 / 01-030N

**119-096** A55485 / 01-033N  
Price Code: A M38527 / 01-033N

**120-156** A55485 / 01-044N  
Price Code: A M38527 / 01-044N

**200-115** A55485 / 03-013N  
Price Code: A M38527 / 03-013N

# PERM-O-PADS®

## TO-18 and T<sup>13</sup>/32 (5mm) LED Mounts and TO-18 Spreaders

### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

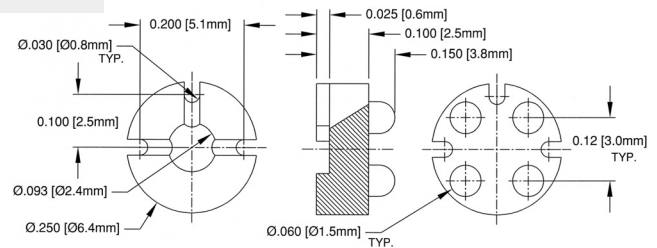
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

### 202-150

Price Code: A

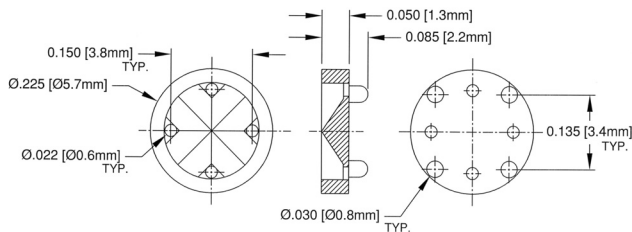


### 205-085

A55485 / 03-002N

Price Code: A

M38527 / 03-002N

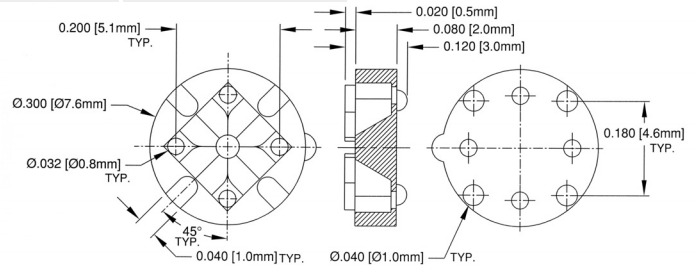


### 209-125

Price Code: A

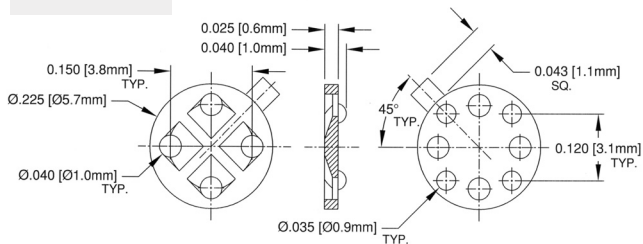
A55485 / 03-010N

M38527 / 03-010N



### 211-040

Price Code: A

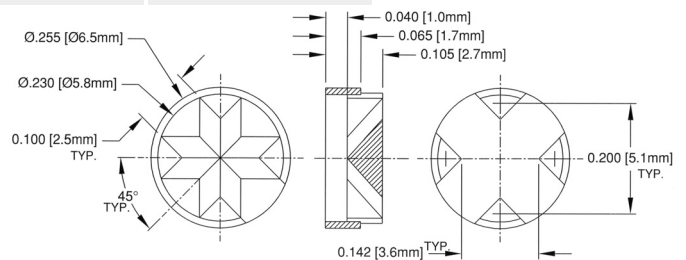


### 213-100

Price Code: A

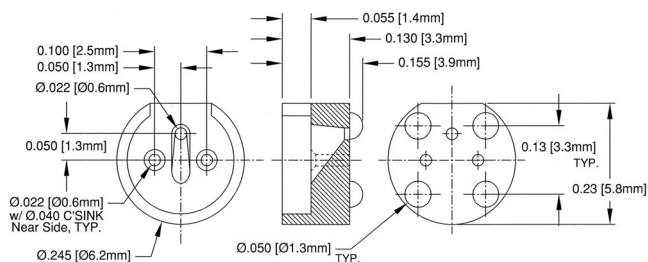
A55485 / 03-004N

M38527 / 03-004N



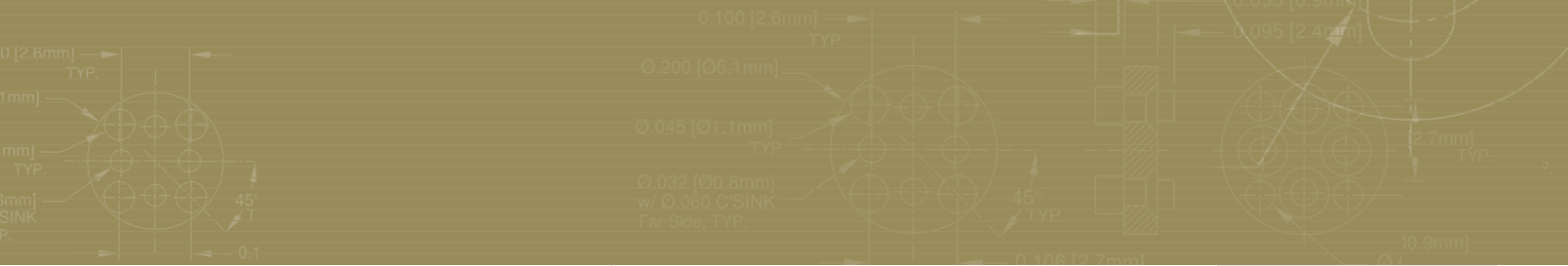
### 215-130

Price Code: A



# PERM-O-PADS®

## TO-5 Mounts



### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

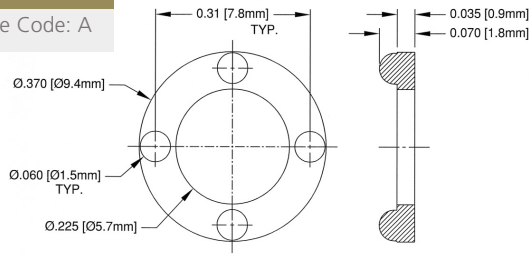
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

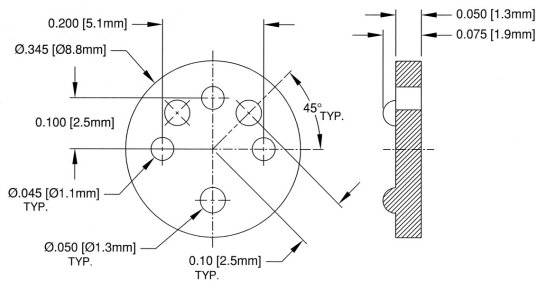
### 500-080

Price Code: A



### 501-075

Price Code: A

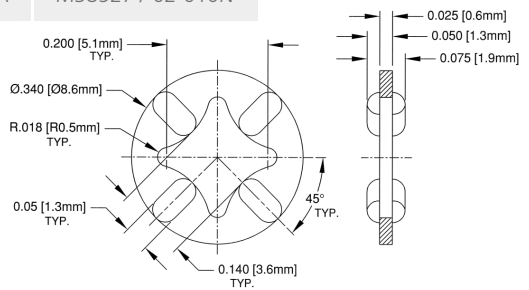


### 503-075

Price Code: A

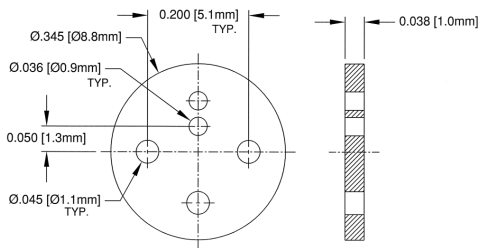
A55485 / 02-010N

M38527 / 02-010N



### 506-038

Price Code: A

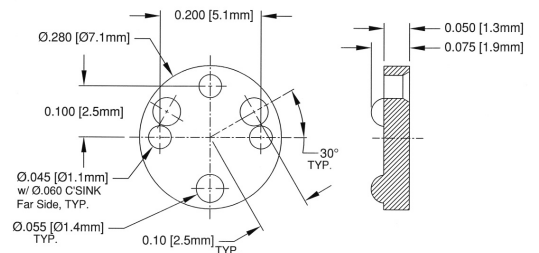


### 508-075

Price Code: A

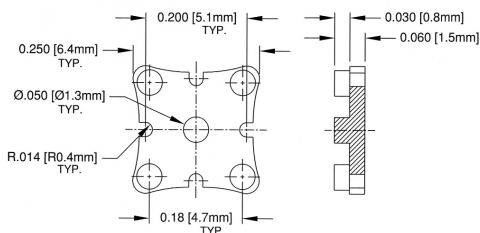
A55485 / 02-047N

M38527 / 02-047N



### 509-060

Price Code: A

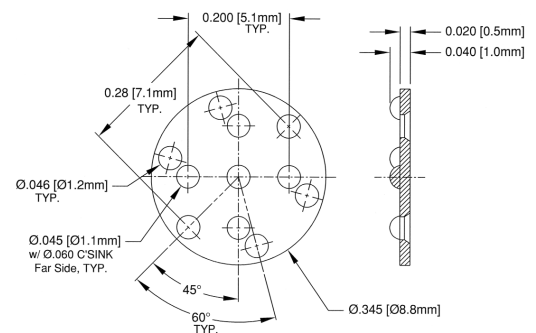


### 511-038

Price Code: A

A55485 / 02-020N

M38527 / 02-020N



# PERM-O-PADS®

## TO-5 Mounts

### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

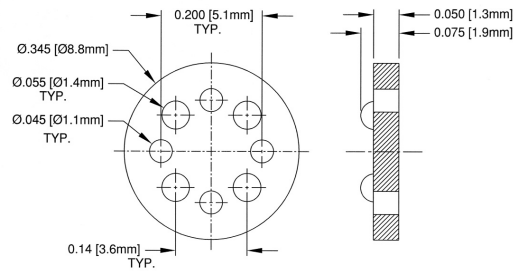
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

### 513-075

Price Code: A

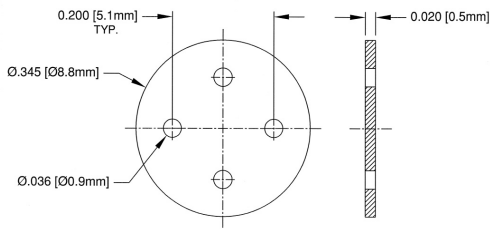


### 515-020

Price Code: A

A55485 / 02-018N

M38527 / 02-018N

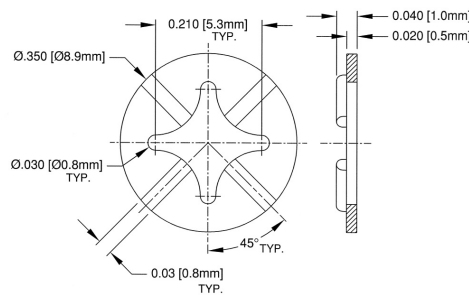


### 516-038

Price Code: A

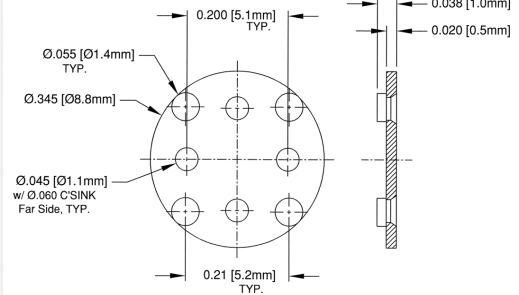
A55485 / 02-013N

M38527 / 02-013N



### 518-038

Price Code: A

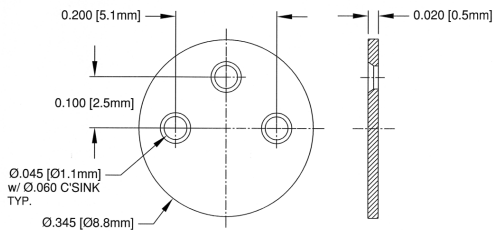


### 520-021

Price Code: A

A55485 / 02-019N

M38527 / 02-019N

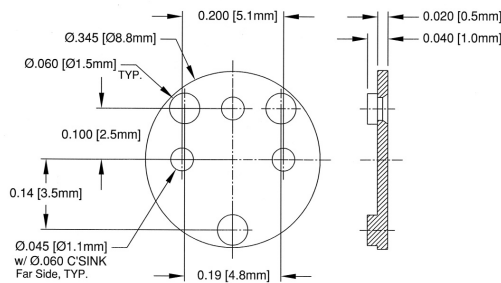


### 525-038

Price Code: A

A55485 / 02-014N

M38527 / 02-014N

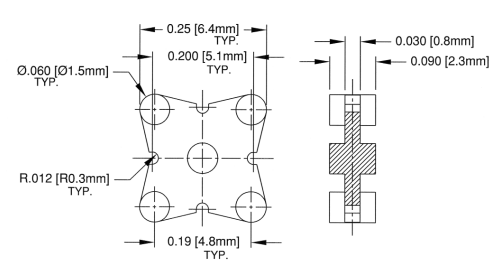


### 526-090

Price Code: A

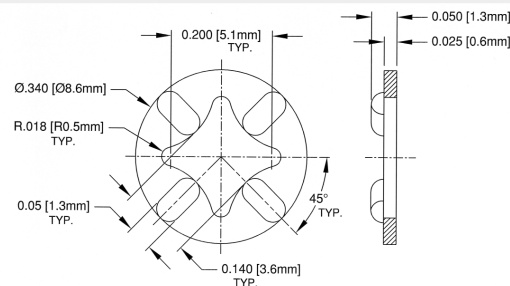
A55485 / 02-038N

M38527 / 02-038N



### 532-050

Price Code: A



# PERM-O-PADS®

## TO-5 and Integrated Circuit Mounts

### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

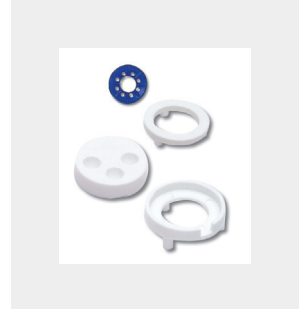
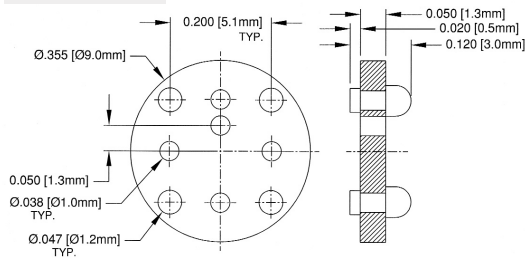
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

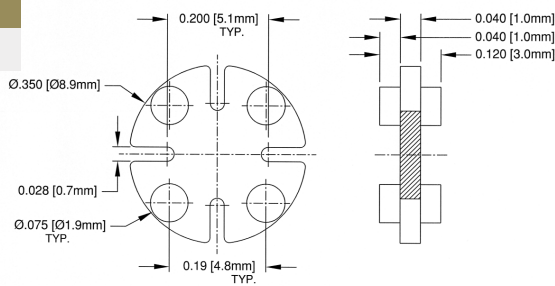
### 502-120

Price Code: A



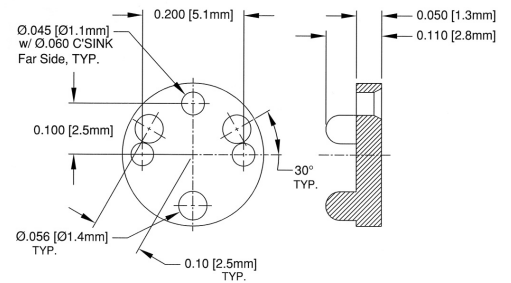
### 505-120

Price Code: A



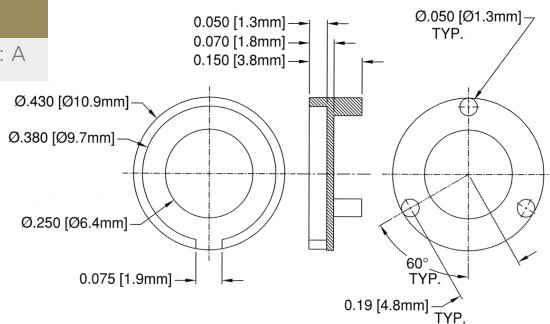
### 510-110

Price Code: A



### 512-150

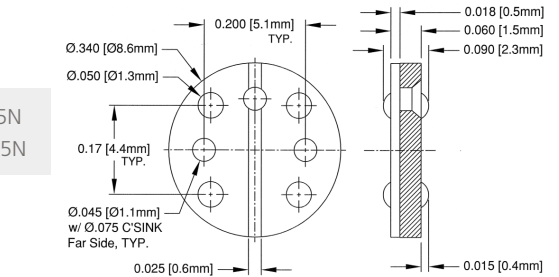
Price Code: A



### 517-095

Price Code: A

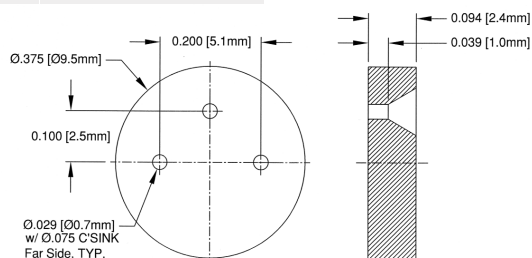
A55485 / 02-025N  
M38527 / 02-025N



### 521-094

Price Code: A

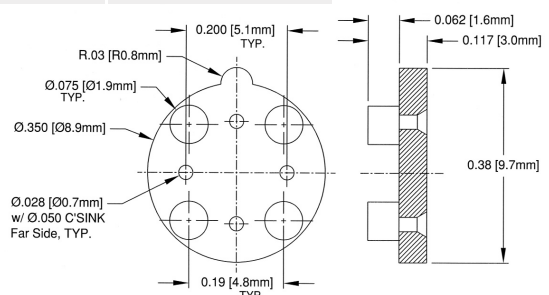
A55485 / 01-041N  
M38527 / 01-041N



### 528-117

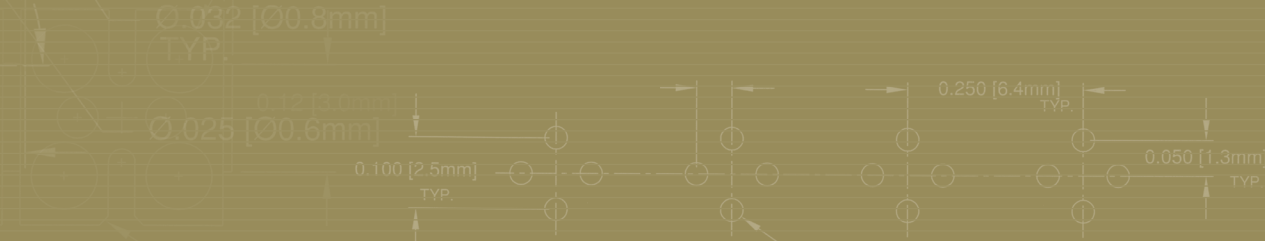
Price Code: A

A55485 / 02-022N  
M38527 / 02-022N



# PERM-O-PADS®

## TO-5 and Integrated Circuit Mounts



### Material Specifications:

White or Natural Nylon, per ASTM D4066 PA111, UL Rated 94V-2.

**Oxygen Rating Index:** Over 28%

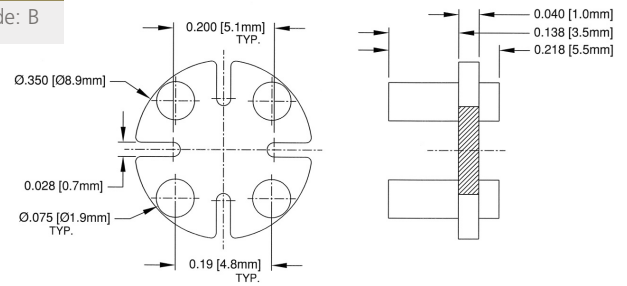
### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)  
 .X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

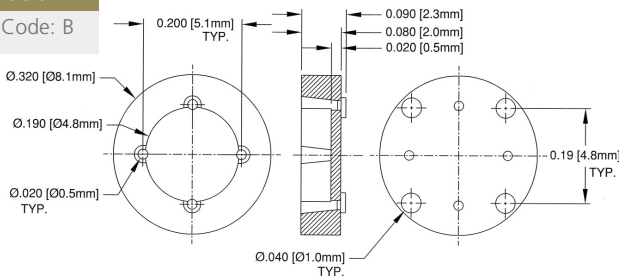
### 531-218

Price Code: B



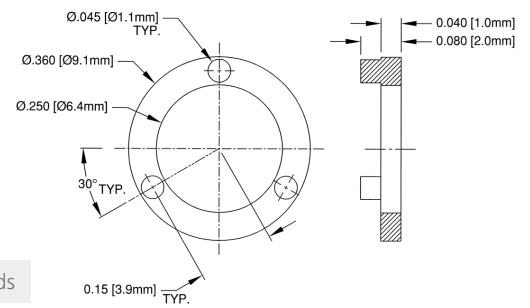
### 535-090

Price Code: B



### 600-080

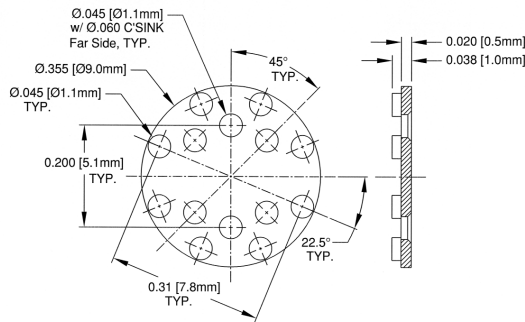
Price Code: A



6, 8, 10 or 12 Leads

### 602-038

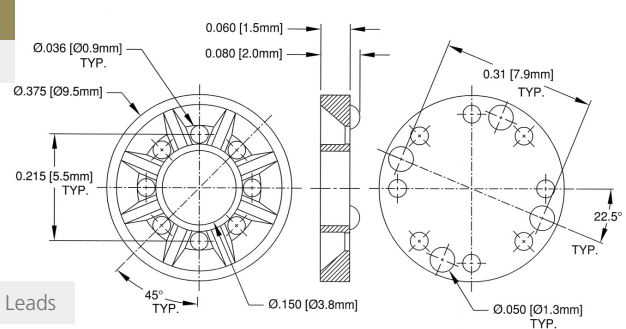
Price Code: B



6 Leads

### 605-085

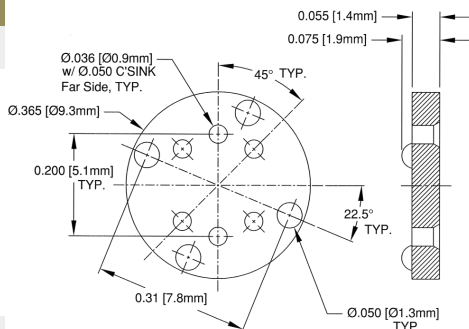
Price Code: B



Color: Blue, 8 Leads

### 609-075

Price Code: B

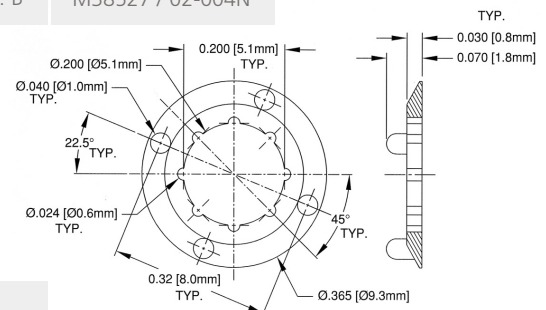


6 Leads

### 616-070

Price Code: B

A55485 / 02-004N  
M38527 / 02-004N



8 Leads





# PERM-O-PADS® TO-5 Mounts



## 514 Series

Color: White, Price Code: A

### Material Specifications:

Nylon, per ASTM D4066 PA111, UL Rated 94V-2

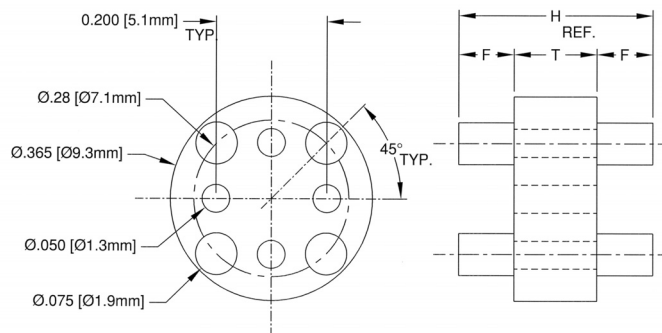
**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

*(unless otherwise indicated)*

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)



## TO-5 Mounts

Part No.	H	T	F
514-050	.050 (1.3)	.030 (.76)	.010 (.25)
514-060	.060 (1.5)	.030 (.76)	.015 (.38)
514-070	.070 (1.8)	.030 (.76)	.020 (.51)
514-080	.080 (2.0)	.030 (.76)	.025 (.64)
514-090	.090 (2.3)	.030 (.76)	.030 (.76)
514-100	.100 (2.5)	.030 (.76)	.035 (.89)
514-110	.110 (2.8)	.030 (.76)	.040 (1.0)
514-120	.120 (3.0)	.030 (.76)	.045 (1.1)
514-130	.130 (3.3)	.030 (.76)	.050 (1.3)
514-140	.140 (3.6)	.030 (.76)	.055 (1.4)

Part No.	H	T	F
514-150	.150 (3.8)	.030 (.76)	.060 (1.5)
514-160	.160 (4.1)	.030 (.76)	.065 (1.7)
514-170	.170 (4.3)	.030 (.76)	.070 (1.8)
514-180	.180 (4.6)	.030 (.76)	.075 (1.9)
514-190	.190 (4.8)	.030 (.76)	.080 (2.0)
514-200	.200 (5.1)	.030 (.76)	.085 (2.2)
514-210	.210 (5.3)	.030 (.76)	.090 (2.3)
514-220	.220 (5.6)	.030 (.76)	.095 (2.4)
514-230	.230 (5.8)	.030 (.76)	.100 (2.5)
514-240	.240 (6.1)	.030 (.76)	.105 (2.7)

# VERTICAL MOUNTS

## Vertical Mounts for Diodes and Resistors

- Vertical Mounting Reduces Board Space Requirements Over 50%



### Material Specifications:

Temperature resistant black thermoplastic (PBT) body per MIL-P-46161, Grade B, Class 30, UL Rated 94V-0

**Oxygen Rating Index:** Over 28%

### Standard Drawing Tolerances:

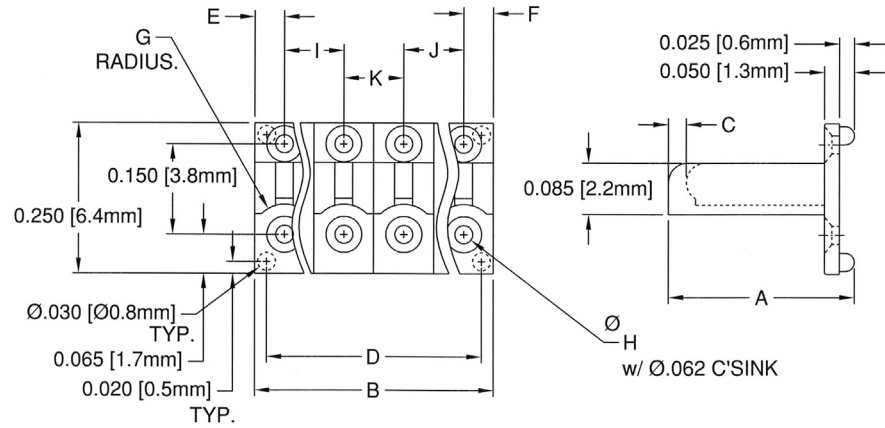
(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)  
 .X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

Height	.312"	.437"	.562"
Single	3121-004	4371-005	5621-006
Double	3122-010	4372-010	5622-012
Triple	3123-016	4373-017	5623-018
Quad	3124-022	4374-023	5624-024
	DO-34 & 835	DO-7	1/2 Watt
Use with:	Diodes 1/8 watt Resistors	Diodes 1/4 watt Resistors	Resistors



Part No.	A	B	C	D	E	F	G	H	I	J	K	Price Code
3121-004	.312 (7.9)	.100 (2.5)	.030 (0.8)	.060 (1.5)	.050 (1.3)	.050 (1.3)	.055 (1.4)	.030 (0.8)	N/A	N/A	N/A	B
3122-010	.312 (7.9)	.200 (5.1)	.030 (0.8)	.160 (4.1)	.050 (1.3)	.050 (1.3)	.055 (1.4)	.030 (0.8)	.100 (2.5)	N/A	N/A	G
3123-016	.312 (7.9)	.300 (7.6)	.030 (0.8)	.260 (6.6)	.050 (1.3)	.050 (1.3)	.055 (1.4)	.030 (0.8)	.100 (2.5)	.100 (2.5)	N/A	I
3124-022	.312 (7.9)	.400 (10.2)	.030 (0.8)	.360 (9.1)	.050 (1.3)	.050 (1.3)	.055 (1.4)	.030 (0.8)	.100 (2.5)	.100 (2.5)	.100 (2.5)	J
4371-005	.437 (11.1)	.100 (2.5)	.030 (0.8)	.060 (1.5)	.050 (1.3)	.050 (1.3)	.055 (1.4)	.030 (0.8)	N/A	N/A	N/A	F
4372-011	.437 (11.1)	.200 (5.1)	.030 (0.8)	.160 (4.1)	.050 (1.3)	.050 (1.3)	.055 (1.4)	.030 (0.8)	.100 (2.5)	N/A	N/A	H
4373-017	.437 (11.1)	.300 (7.6)	.030 (0.8)	.260 (6.6)	.050 (1.3)	.050 (1.3)	.055 (1.4)	.030 (0.8)	.100 (2.5)	.100 (2.5)	N/A	I
4374-023	.437 (11.1)	.400 (10.2)	.030 (0.8)	.360 (9.1)	.050 (1.3)	.050 (1.3)	.055 (1.4)	.030 (0.8)	.100 (2.5)	.100 (2.5)	.100 (2.5)	J
5621-006	.562 (14.3)	.150 (3.8)	.040 (1.0)	.110 (2.8)	.075 (1.9)	.075 (1.9)	.080 (2.0)	.040 (1.0)	N/A	N/A	N/A	G
5622-012	.562 (14.3)	.300 (7.6)	.040 (1.0)	.260 (6.6)	.075 (1.9)	.075 (1.9)	.080 (2.0)	.040 (1.0)	.150 (3.8)	N/A	N/A	I
5623-018	.562 (14.3)	.450 (11.4)	.040 (1.0)	.410 (10.4)	.075 (1.9)	.075 (1.9)	.080 (2.0)	.040 (1.0)	.150 (3.8)	.150 (3.8)	N/A	J
5624-024	.562 (14.3)	.600 (15.2)	.040 (1.0)	.560 (14.2)	.075 (1.9)	.075 (1.9)	.080 (2.0)	.040 (1.0)	.150 (3.8)	.150 (3.8)	.150 (3.8)	K



# CRYSTAL MOUNTS

## Molded Mounts

- Elevates Crystal Oscillators from PCB
- Improves Cooling Efficiency
- Allows for Proper Inspection of Solder Joints
- Allows for Traces to be Run Under Component



### Material Specifications:

UL Rated 94V-2 White Nylon per ASTM D4066 PA111

### Oxygen Rating Index: Over 28%

UL File #E135532

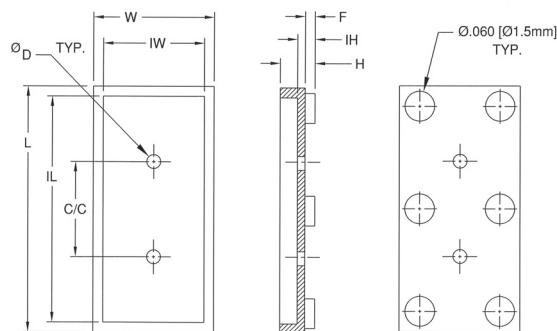
### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.4) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

Part No.	L	IL	W	IW	C/C	D	IH	F	H	Style	Price Code
470-015	.495 (12.6)	.455 (11.6)	.245 (6.2)	.205 (5.2)	.192 (4.9)	.028 (.71)	.015 (.38)	.000	.050 (1.3)	I	H
470-025	.495 (12.6)	.455 (11.6)	.245 (6.2)	.205 (5.2)	.192 (4.9)	.028 (.71)	.025 (.64)	.010 (.25)	.060 (1.5)	I	H
470-035	.495 (12.6)	.455 (11.6)	.245 (6.2)	.205 (5.2)	.192 (4.9)	.028 (.71)	.035 (.89)	.020 (.51)	.070 (1.8)	I	H
470-045	.495 (12.6)	.455 (11.6)	.245 (6.2)	.205 (5.2)	.192 (4.9)	.028 (.71)	.045 (1.1)	.030 (.76)	.080 (2.0)	I	H
471-015	.495 (12.6)	.455 (11.6)	.245 (6.2)	.205 (5.2)	.192 (4.9)	.050 (1.3)	.015 (.38)	.000	.050 (1.3)	II	H
471-025	.495 (12.6)	.455 (11.6)	.245 (6.2)	.205 (5.2)	.192 (4.9)	.050 (1.3)	.025 (.64)	.010 (.25)	.060 (1.5)	II	H
471-035	.495 (12.6)	.455 (11.6)	.245 (6.2)	.205 (5.2)	.192 (4.9)	.050 (1.3)	.035 (.89)	.020 (.51)	.070 (1.8)	II	H
471-045	.495 (12.6)	.455 (11.6)	.245 (6.2)	.205 (5.2)	.192 (4.9)	.050 (1.3)	.045 (1.1)	.030 (.76)	.080 (2.0)	II	H



# CRYSTAL INSULATORS

## Mylar Mounts

- Only 0.005" Thick does not increase component height
- Insulates component from PCB
- Allows for trace to be run under components

### Material Specifications:

UL Rated 94VTM-2 Mylar Film Dupont EL-21 Clear

### Oxygen Rating Index: Over 28%

UL File #E93687

### Standard Drawing Tolerances:

(unless otherwise indicated)

Fractions:  $\pm 1/64$  (0.40) .XX =  $\pm 0.01$  (0.25)

.X =  $\pm 0.10$  (2.5) .XXX =  $\pm 0.005$  (0.13)

Note: SR Stands for Self Retaining



Part No.	C	C/C	L	D	W	Case Style	Price Code	Use with
CI-148-028	-	.148 (3.8)	.325 (8.3)	.028 (.71)	.145 (3.7)	VI	X	HC-80/U
CI-148-028 SR*	-	.148 (3.8)	.325 (8.3)	*	.145 (3.7)	VI	X	HC-80/U
CI-148-028-3	.074 (1.9)	.148 (3.8)	.325 (8.3)	.028 (.71)	.145 (3.7)	VI	X	HC-80/U
CI-148-028-3 SR*	.074 (1.9)	.148 (3.8)	.325 (8.3)	*	.145 (3.7)	VI	X	HC-80/U
CI-192-028	-	.192 (4.9)	.465 (11.8)	.028 (.71)	.219 (5.6)	I	X	HC-18/U, HC-43/U & HC-49/U
CI-192-028 SR*	-	.192 (4.9)	.465 (11.8)	*	.219 (5.6)	I	X	HC-18/U, HC-43/U & HC-49/U
CI-192-028-3	.096 (2.4)	.192 (4.9)	.465 (11.8)	.028 (.71)	.219 (5.6)	I	X	HC-18/U, HC-43/U & HC-49/U
CI-192-028-3 SR*	.096 (2.4)	.192 (4.9)	.465 (11.8)	*	.219 (5.6)	I	X	HC-18/U, HC-43/U & HC-49/U
CI-192-050	-	.192 (4.9)	.465 (11.8)	.050 (1.3)	.219 (5.6)	II	X	HC-25/U, HC-42/U & HC-50/U
CI-192-050-3	.096 (2.4)	.192 (4.9)	.465 (11.8)	.050 (1.3)	.219 (5.6)	II	X	HC-25/U, HC-42/U & HC-50/U

