

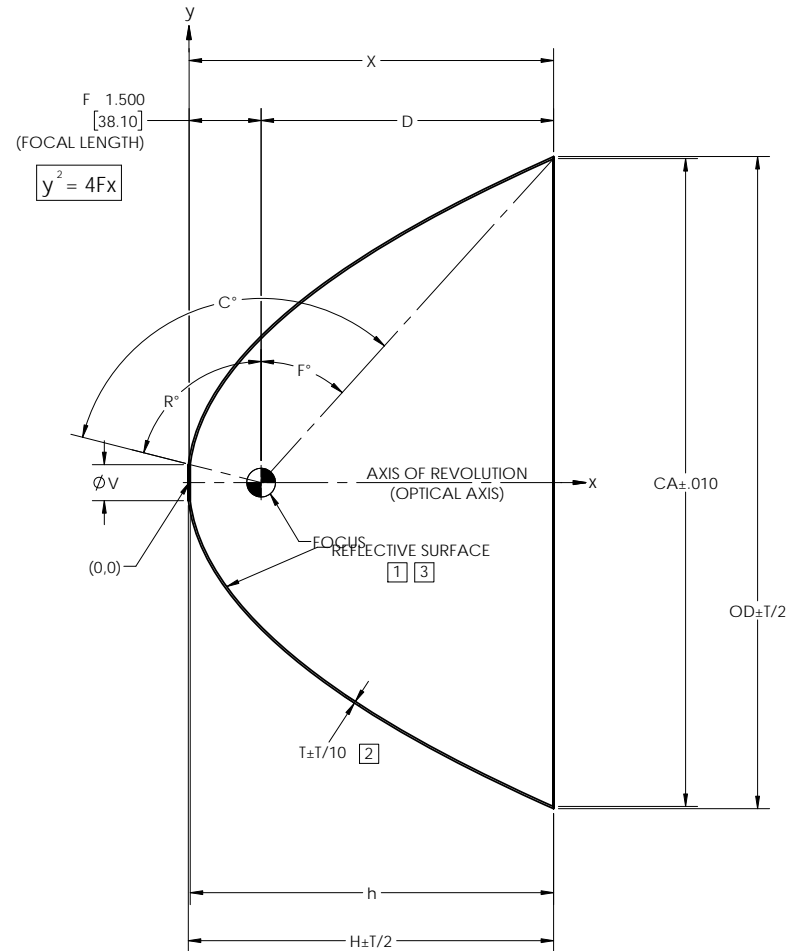
NOTES: UNLESS OTHERWISE SPECIFIED

- 1 ELECTROFORM REFLECTOR FROM MASTER TOOL WITH SPECULAR SURFACE QUALITY OF 80-50 SCRATCH-DIG PER MIL-PRF-13830B.
- 2 NOMINAL THICKNESS (T) MAY VARY ± T/4 WITHIN .25 OF EDGES.
- 3 REFLECTIVE SURFACE COATING TO BE SEPARATELY SPECIFIED.

| REVISIONS | | | |
|-----------|-------------------------------------|----------|----------|
| REV | DESCRIPTION | DATE | APPROVED |
| Ø | INITIAL DRAWING RELEASE | 06/06/96 | GFW |
| A | REV DIM TOLERANCES | 07/25/17 | KMT |
| B | REV DIM TOLERANCES, ADDED -17 & -18 | 07/25/17 | GFW |
| C | ADDED -19 | 07/25/17 | GFW |
| D | ADDED -20 | 07/25/17 | GFW |
| E | ADDED -21 | 07/25/17 | GFW |
| F | ADDED -22 | 07/25/17 | SJM |
| G | ADDED -23 | 07/25/17 | SJM |
| H | ADDED -24 | 07/25/17 | SJM |
| J | UPDATED DRAWING FORMAT | 07/25/17 | JPH |

| DASH NO. | CA | V | OD | T | X | D | H | h | R° | F° | C° |
|----------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|--------|
| P38 | 13.500 | 0.750 | 13.588 | 0.040 | 7.594 | 6.094 | 7.611 | 7.570 | 75.75 | 42.08 | 117.82 |
| P38-0100 | 9.500 | 2.250 | 9.595 | 0.040 | 3.760 | 2.260 | 3.592 | 3.549 | 48.89 | 25.45 | 74.34 |
| P38-0200 | 12.875 | 2.500 | 12.963 | 0.040 | 6.907 | 5.407 | 6.690 | 6.646 | 44.76 | 40.03 | 84.79 |
| P38-0300 | 12.875 | 2.250 | 12.963 | 0.040 | 6.907 | 5.407 | 6.739 | 6.696 | 48.89 | 40.03 | 88.92 |
| P38-0400 | 8.500 | 1.750 | 8.598 | 0.040 | 3.010 | 1.510 | 2.924 | 2.883 | 57.48 | 19.56 | 77.04 |
| P38-0500 | 9.500 | 1.750 | 9.595 | 0.040 | 3.760 | 2.260 | 3.674 | 3.633 | 57.48 | 25.45 | 82.93 |
| P38-0600 | 12.875 | 2.750 | 12.963 | 0.040 | 6.907 | 5.407 | 6.636 | 6.592 | 40.75 | 40.03 | 80.78 |
| P38-0700 | 9.500 | 2.600 | 9.595 | 0.040 | 3.760 | 2.260 | 3.522 | 3.479 | 43.14 | 25.45 | 68.59 |
| P38-0800 | 12.095 | 4.000 | 12.184 | 0.040 | 6.095 | 4.595 | 5.477 | 5.429 | 22.62 | 37.23 | 59.85 |
| P38-0900 | 9.500 | 2.750 | 9.595 | 0.040 | 3.760 | 2.260 | 3.489 | 3.445 | 40.75 | 25.45 | 66.20 |
| P38-1000 | 10.500 | 2.250 | 10.592 | 0.040 | 4.594 | 3.094 | 4.426 | 4.383 | 48.89 | 30.51 | 79.40 |
| P38-1100 | 12.875 | 1.750 | 12.963 | 0.040 | 6.907 | 5.407 | 6.821 | 6.779 | 57.48 | 40.03 | 97.51 |
| P38-1200 | 10.500 | 2.750 | 10.592 | 0.040 | 4.594 | 3.094 | 4.323 | 4.279 | 40.75 | 30.51 | 71.26 |
| P38-1300 | 12.095 | 2.750 | 12.184 | 0.040 | 6.095 | 4.595 | 5.824 | 5.780 | 40.75 | 37.23 | 77.98 |
| P38-1400 | 12.875 | 3.000 | 12.963 | 0.040 | 6.907 | 5.407 | 6.577 | 6.532 | 36.87 | 40.03 | 76.90 |
| P38-1500 | 12.875 | 3.125 | 12.963 | 0.040 | 6.907 | 5.407 | 6.545 | 6.500 | 34.98 | 40.03 | 75.00 |
| P38-1600 | 12.095 | 3.125 | 12.184 | 0.040 | 6.095 | 4.595 | 5.734 | 5.688 | 34.98 | 37.23 | 72.21 |
| P38-1700 | 8.000 | 2.500 | 8.100 | 0.040 | 2.667 | 1.167 | 2.450 | 2.406 | 44.76 | 16.26 | 61.02 |
| P38-1800 | 9.500 | 0.750 | 9.595 | 0.040 | 3.760 | 2.260 | 3.777 | 3.737 | 75.75 | 25.45 | 101.20 |
| P38-1900 | 7.900 | 1.750 | 8.000 | 0.040 | 2.600 | 1.100 | 2.514 | 2.473 | 57.48 | 15.57 | 73.05 |
| P38-2000 | 10.500 | 3.740 | 10.592 | 0.040 | 4.594 | 3.094 | 4.058 | 4.011 | 26.13 | 30.51 | 56.64 |
| P38-2100 | 10.375 | 2.250 | 10.467 | 0.040 | 4.485 | 2.985 | 4.317 | 4.274 | 48.89 | 29.92 | 78.81 |
| P38-2200 | 9.500 | 2.100 | 9.595 | 0.040 | 3.760 | 2.260 | 3.619 | 3.577 | 51.42 | 25.45 | 76.87 |
| P38-2300 | 10.375 | 2.750 | 10.467 | 0.040 | 4.485 | 2.985 | 4.214 | 4.170 | 40.75 | 29.92 | 70.67 |
| P38-2400 | 13.500 | 2.250 | 13.588 | 0.040 | 7.594 | 6.094 | 7.426 | 7.383 | 48.89 | 42.08 | 90.96 |

NOTE: THE "P38" DASH NO. IS THE THEORETICALLY LARGEST REFLECTOR THAT CAN BE FORMED ON EXISTING MASTER TOOLING.



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| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES (mm) GD&T PER ASME Y14.5-2009 DO NOT SCALE DRAWING | | CONTRACT NO. 00-P38 | | 42310 WINCHESTER RD. TEMECULA, CA 92590 WWW.OPTIFORMS.COM | |
| FRACTIONS ± 1/16 DECIMALS ± .02 ANGLES ± 1/2° SURFACE ROUGHNESS √ DEBURR SHARP EDGES & HOLES (R) .015 MAX. CHAMFER THREADS .01 PAST ROOT DIAMETER | | BROWN JIW DATE 07/25/17 | optiforms | | REFLECTOR, PARABOLIC |
| THIRD ANGLE PROJECTION | | CHECKED DATE | REFLECTOR, PARABOLIC | | 1.500" / 38mm FL |
| APPLICATION | | ENGR RRS DATE 07/25/17 | ELECTROFORMED NICKEL - LSSN TYPE 1 | | SIZE C |
| SEE NOTES 1.3 | | MATERIAL | SCALE 1:2 | | CAGE CODE OY1Y4 |
| | | FINISH | DWG. NO. P38 | | REV J |
| | | | SHEET 1 OF 1 | | |