



## DIAMOND POINT TURNED SPHERICS

## Product Summary

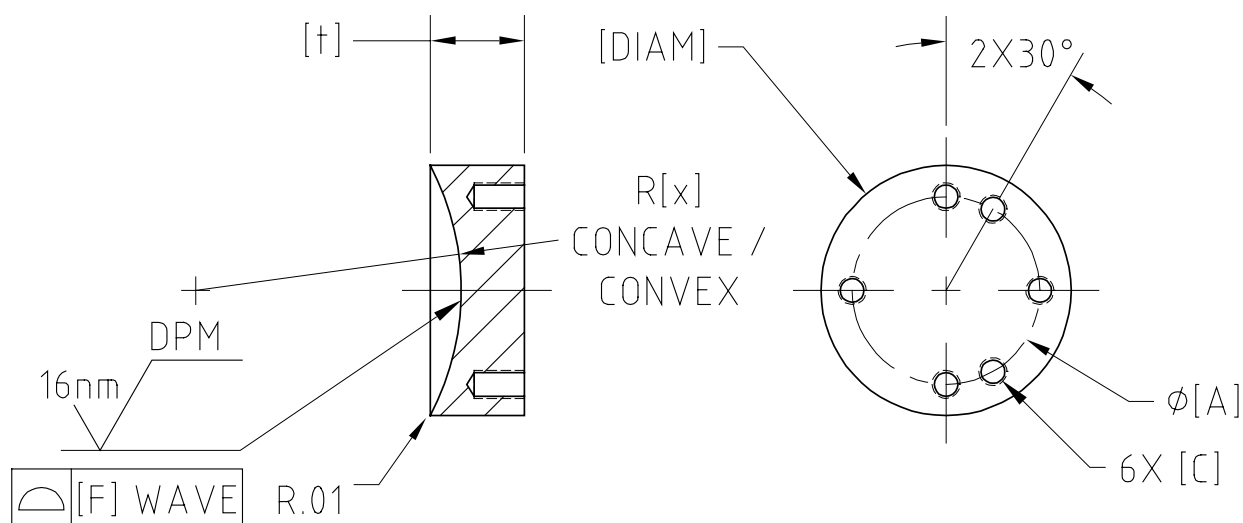
These spherical first-surface Aluminum mirrors are useful in reflecting light in the infrared range. Guaranteed at  $\frac{1}{2}$ ,  $\frac{1}{4}$  or  $\frac{1}{8}$  waveform accuracy with  $<16\text{nm}$  Ra surface finish by diamond point machining. Select from protected Aluminum, protected Gold or untreated coatings combined with your choice of size and thickness. Convenient mounting features allow for easy integration into your assembly. Thermal stress relieving and a mounting surface flatness of  $\frac{1}{2}$  wave allows for distortion free assembly.

Model	[DIAM]	[x] limit	[t]	[A]	[C]	[F]
SMw100xy	1.00	1.06	.38	.750	4-40 UNC	$<\frac{1}{4}$
SMw150xy	1.50	2.31	.38	1.250	4-40 UNC	$<\frac{1}{4}$
SMw200xy	2.00	3.08	.50	1.500	6-32 UNC	$<\frac{1}{2}$
SMw300xy	3.00	6.83	.50	2.500	8-32 UNC	$<\frac{1}{2}$
SMw400xy	4.00	8.13	.75	3.000	10-32 UNF	$<\frac{1}{2}$
SMw500xy	5.00	12.63	.75	4.000	10-32 UNF	$<\frac{1}{2}$

specify: **w** : C (concave) V (convex), **x** : spherical radius (inches), **y** : A (SiO) or G (SiO over Gold) or N (no coating)

Dimensions in inches

Contact us for custom shapes and size requirements



NOTE: Drawing not to scale

Custom sizes and configurations are available on request. Specifications are subject to change.