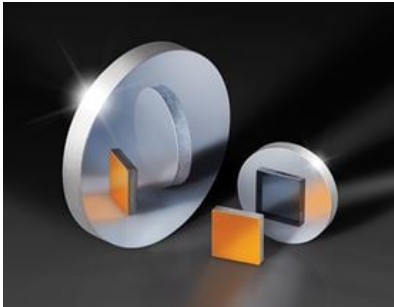


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TECHSPEC®

λ/20 First Surface Mirrors

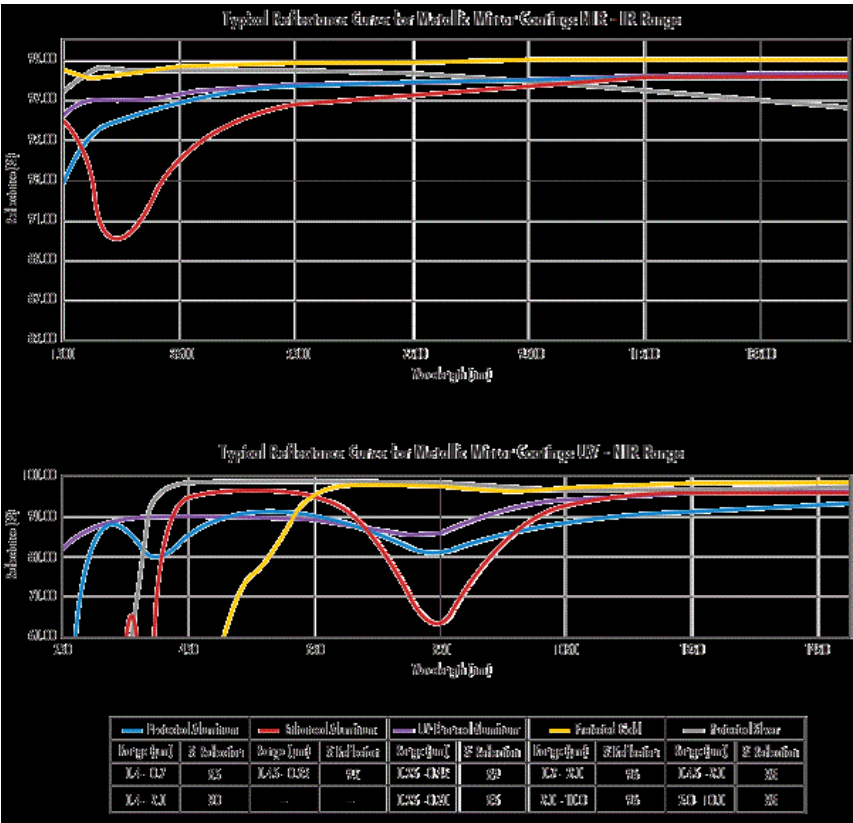


- Precision Fused Silica Substrate
- 20-10 Surface Quality
- Low Coefficient of Thermal Expansion

Common Specifications

Physical & Mechanical Properties			
Back Surface:		Commercial Polish	
		Clear Aperture (%):	90.00
Edges:		Ground, protective bevel as needed	
		Parallelism (arcsec):	30.00
Optical Properties			
Substrate:		Fused Silica (Corning 7980)	
		Surface Quality:	20-10
Coating Type:		Metal	

Technical Information



Products

Dia. (mm)	Surface Flatness (P-V)	Dimensions (mm)	Coating Specification	Coating	Thickness (mm)	Stock Number	Price	Buy
10.00	λ/20	-	R _{avg} >95% @ 450 - 650nm	Enhanced Aluminum (450- 650nm)	2.00	#34-354	S\$194.60 Volume Pricing	9 In Stock
10.00	λ/20	-	R _{avg} >96% @ 700 - 2000nm R _{avg} >96% @ 2000 - 10,000nm	Protected Gold (700- 10000nm)	2.00	#34-370	S\$239.40 Volume Pricing	1 In Stock
10.00	λ/20	-	R _{avg} >98% @ 450 - 2000nm R _{avg} >98% @ 2000 - 10,000nm	Protected Silver (450- 10000nm)	2.00	#34-386	S\$232.40 Volume Pricing	1 In Stock
10.00	λ/20 (flatness pre- coating)	-	R _{avg} >85% @ 250 - 700nm R _{avg} >89% @ 250 - 450nm	UV Enhanced Aluminum (250- 700nm)	2.00	#70-285	S\$194.60 Volume Pricing	2 In Stock
-	λ/20	10.0 x 10.0	R _{avg} >95% @ 450 - 650nm	Enhanced Aluminum (450- 650nm)	2.00	#34-355	S\$194.60 Volume Pricing	4 In Stock
-	λ/20	10.0 x 10.0	R _{avg} >96% @ 700 - 2000nm R _{avg} >96% @ 2000 - 10,000nm	Protected Gold (700- 10000nm)	2.00	#34-371	S\$239.40 Volume Pricing	Contact Us
-	λ/20	10.0 x 10.0	R _{avg} >98% @ 450 - 2000nm R _{avg} >98% @ 2000 - 10,000nm	Protected Silver (450- 10000nm)	2.00	#34-387	S\$232.40 Volume Pricing	3 In Stock
-	λ/20 (flatness pre- coating)	10.00 x 10.00	R _{avg} >85% @ 250 - 700nm R _{avg} >89% @ 250 - 450nm	UV Enhanced Aluminum (250- 700nm)	2.00	#70-286	S\$194.60 Volume Pricing	3 In Stock
15.00	λ/20	-	R _{avg} >95% @ 450 - 650nm	Enhanced Aluminum (450- 650nm)	3.00	#34-356	S\$205.80 Volume Pricing	1 In Stock

15.00	$\lambda/20$	-	$R_{avg} > 96\% @ 700 - 2000nm$ $R_{avg} > 96\% @ 2000 - 10,000nm$	Protected Gold (700-10000nm)	3.00	#34-372	S\$263.20 Volume Pricing	20+ In Stock
15.00	$\lambda/20$	-	$R_{avg} > 98\% @ 450 - 2000nm$ $R_{avg} > 98\% @ 2000 - 10,000nm$	Protected Silver (450-10000nm)	3.00	#34-388	S\$239.40 Volume Pricing	14 In Stock
15.00	$\lambda/20$ (flatness pre-coating)	-	$R_{avg} > 85\% @ 250 - 700nm$ $R_{avg} > 89\% @ 250 - 450nm$	UV Enhanced Aluminum (250-700nm)	3.00	#70-287	S\$205.80 Volume Pricing	4 In Stock
-	$\lambda/20$	15.0 x 15.0	$R_{avg} > 95\% @ 450 - 650nm$	Enhanced Aluminum (450-650nm)	3.00	#34-357	S\$210.00 Volume Pricing	2 In Stock
-	$\lambda/20$	15.0 x 15.0	$R_{avg} > 96\% @ 700 - 2000nm$ $R_{avg} > 96\% @ 2000 - 10,000nm$	Protected Gold (700-10000nm)	3.00	#34-373	S\$263.20 Volume Pricing	2 In Stock
-	$\lambda/20$	15.0 x 15.0	$R_{avg} > 98\% @ 450 - 2000nm$ $R_{avg} > 98\% @ 2000 - 10,000nm$	Protected Silver (450-10000nm)	3.00	#34-389	S\$239.40 Volume Pricing	Contact Us
-	$\lambda/20$ (flatness pre-coating)	15.00 x 15.00	$R_{avg} > 85\% @ 250 - 700nm$ $R_{avg} > 89\% @ 250 - 450nm$	UV Enhanced Aluminum (250-700nm)	3.00	#70-288	S\$205.80 Volume Pricing	4 In Stock
20.00	$\lambda/20$	-	$R_{avg} > 95\% @ 450 - 650nm$	Enhanced Aluminum (450-650nm)	3.00	#34-358	S\$224.00 Volume Pricing	7 In Stock
20.00	$\lambda/20$	-	$R_{avg} > 96\% @ 700 - 2000nm$ $R_{avg} > 96\% @ 2000 - 10,000nm$	Protected Gold (700-10000nm)	3.00	#34-374	S\$274.40 Volume Pricing	14 In Stock
20.00	$\lambda/20$	-	$R_{avg} > 98\% @ 450 - 2000nm$ $R_{avg} > 98\% @ 2000 - 10,000nm$	Protected Silver (450-10000nm)	3.00	#34-390	S\$266.00 Volume Pricing	Contact Us
20.00	$\lambda/20$ (flatness pre-coating)	-	$R_{avg} > 85\% @ 250 - 700nm$ $R_{avg} > 89\% @ 250 - 450nm$	UV Enhanced Aluminum (250-700nm)	3.00	#70-289	S\$224.00 Volume Pricing	3 In Stock

-	$\lambda/20$	20.0 x 20.0	$R_{avg} > 95\% @ 450 - 650nm$	Enhanced Aluminum (450-650nm)	3.00	#34-359	S\$224.00 Volume Pricing	11 In Stock
-	$\lambda/20$	20.0 x 20.0	$R_{avg} > 96\% @ 700 - 2000nm$ $R_{avg} > 96\% @ 2000 - 10,000nm$	Protected Gold (700-10000nm)	3.00	#34-375	S\$274.40 Volume Pricing	1 In Stock
-	$\lambda/20$	20.0 x 20.0	$R_{avg} > 98\% @ 450 - 2000nm$ $R_{avg} > 98\% @ 2000 - 10,000nm$	Protected Silver (450-10000nm)	3.00	#34-391	S\$266.00 Volume Pricing	Contact Us
-	$\lambda/20$ (flatness pre-coating)	20.00 x 20.00	$R_{avg} > 85\% @ 250 - 700nm$ $R_{avg} > 89\% @ 250 - 450nm$	UV Enhanced Aluminum (250-700nm)	3.00	#70-290	S\$224.00 Volume Pricing	2 In Stock
25.00	$\lambda/20$	-	$R_{avg} > 95\% @ 450 - 650nm$	Enhanced Aluminum (450-650nm)	4.00	#34-360	S\$232.40 Volume Pricing	Contact Us
25.00	$\lambda/20$	-	$R_{avg} > 96\% @ 700 - 2000nm$ $R_{avg} > 96\% @ 2000 - 10,000nm$	Protected Gold (700-10000nm)	4.00	#34-376	S\$344.40 Volume Pricing	17 In Stock
25.00	$\lambda/20$	-	$R_{avg} > 98\% @ 450 - 2000nm$ $R_{avg} > 98\% @ 2000 - 10,000nm$	Protected Silver (450-10000nm)	4.00	#34-392	S\$298.20 Volume Pricing	20+ In Stock
25.00	$\lambda/20$ (flatness pre-coating)	-	$R_{avg} > 85\% @ 250 - 700nm$ $R_{avg} > 89\% @ 250 - 450nm$	UV Enhanced Aluminum (250-700nm)	4.00	#70-291	S\$232.40 Volume Pricing	Contact Us
-	$\lambda/20$	25.0 x 25.0	$R_{avg} > 95\% @ 450 - 650nm$	Enhanced Aluminum (450-650nm)	4.00	#34-361	S\$232.40 Volume Pricing	Contact Us
-	$\lambda/20$	25.0 x 25.0	$R_{avg} > 96\% @ 700 - 2000nm$ $R_{avg} > 96\% @ 2000 - 10,000nm$	Protected Gold (700-10000nm)	4.00	#34-377	S\$344.40 Volume Pricing	3 In Stock
-	$\lambda/20$	25.0 x 25.0	$R_{avg} > 98\% @ 450 - 2000nm$ $R_{avg} > 98\% @ 2000 - 10,000nm$	Protected Silver (450-10000nm)	4.00	#34-393	S\$298.20 Volume Pricing	Contact Us

-	$\lambda/20$ (flatness pre-coating)	25.00 x 25.00	$R_{avg} > 85\% @ 250 - 700nm$ $R_{avg} > 89\% @ 250 - 450nm$	UV Enhanced Aluminum (250-700nm)	4.00	#70-292	S\$232.40 Volume Pricing	3 In Stock
30.00	$\lambda/20$	-	$R_{avg} > 95\% @ 450 - 650nm$	Enhanced Aluminum (450-650nm)	5.00	#34-362	S\$305.20 Volume Pricing	7 In Stock
30.00	$\lambda/20$	-	$R_{avg} > 96\% @ 700 - 2000nm$ $R_{avg} > 96\% @ 2000 - 10,000nm$	Protected Gold (700-10000nm)	5.00	#34-378	S\$410.20 Volume Pricing	1 In Stock
30.00	$\lambda/20$	-	$R_{avg} > 98\% @ 450 - 2000nm$ $R_{avg} > 98\% @ 2000 - 10,000nm$	Protected Silver (450-10000nm)	5.00	#34-394	S\$340.20 Volume Pricing	Contact Us
30.00	$\lambda/20$ (flatness pre-coating)	-	$R_{avg} > 85\% @ 250 - 700nm$ $R_{avg} > 89\% @ 250 - 450nm$	UV Enhanced Aluminum (250-700nm)	5.00	#70-293	S\$305.20 Volume Pricing	3 In Stock
-	$\lambda/20$	30.0 x 30.0	$R_{avg} > 95\% @ 450 - 650nm$	Enhanced Aluminum (450-650nm)	5.00	#34-363	S\$305.20 Volume Pricing	Contact Us
-	$\lambda/20$	30.0 x 30.0	$R_{avg} > 96\% @ 700 - 2000nm$ $R_{avg} > 96\% @ 2000 - 10,000nm$	Protected Gold (700-10000nm)	5.00	#34-379	S\$410.20 Volume Pricing	Contact Us
-	$\lambda/20$	30.0 x 30.0	$R_{avg} > 98\% @ 450 - 2000nm$ $R_{avg} > 98\% @ 2000 - 10,000nm$	Protected Silver (450-10000nm)	5.00	#34-395	S\$340.20 Volume Pricing	Contact Us
-	$\lambda/20$ (flatness pre-coating)	30.00 x 30.00	$R_{avg} > 85\% @ 250 - 700nm$ $R_{avg} > 89\% @ 250 - 450nm$	UV Enhanced Aluminum (250-700nm)	5.00	#70-294	S\$305.20 Volume Pricing	5 In Stock
40.00	$\lambda/20$	-	$R_{avg} > 95\% @ 450 - 650nm$	Enhanced Aluminum (450-650nm)	5.00	#34-364	S\$366.80 Volume Pricing	1 In Stock
40.00	$\lambda/20$	-	$R_{avg} > 96\% @ 700 - 2000nm$ $R_{avg} > 96\% @ 2000 - 10,000nm$	Protected Gold (700-10000nm)	5.00	#34-380	S\$485.80 Volume Pricing	6 In Stock

40.00	$\lambda/20$	-	$R_{avg} > 98\% @ 450 - 2000nm$ $R_{avg} > 98\% @ 2000 - 10,000nm$	Protected Silver (450-10000nm)	5.00	#34-396	S\$446.60 Volume Pricing	2 In Stock
40.00	$\lambda/20$ (flatness pre-coating)	-	$R_{avg} > 85\% @ 250 - 700nm$ $R_{avg} > 89\% @ 250 - 450nm$	UV Enhanced Aluminum (250-700nm)	5.00	#70-295	S\$366.80 Volume Pricing	4 In Stock
-	$\lambda/20$	40.0 x 40.0	$R_{avg} > 95\% @ 450 - 650nm$	Enhanced Aluminum (450-650nm)	5.00	#34-365	S\$366.80 Volume Pricing	3 In Stock
-	$\lambda/20$	40.0 x 40.0	$R_{avg} > 96\% @ 700 - 2000nm$ $R_{avg} > 96\% @ 2000 - 10,000nm$	Protected Gold (700-10000nm)	5.00	#34-381	S\$485.80 Volume Pricing	5 In Stock
-	$\lambda/20$	40.0 x 40.0	$R_{avg} > 98\% @ 450 - 2000nm$ $R_{avg} > 98\% @ 2000 - 10,000nm$	Protected Silver (450-10000nm)	5.00	#34-397	S\$446.60 Volume Pricing	5 In Stock
-	$\lambda/20$ (flatness pre-coating)	40.00 x 40.00	$R_{avg} > 85\% @ 250 - 700nm$ $R_{avg} > 89\% @ 250 - 450nm$	UV Enhanced Aluminum (250-700nm)	5.00	#70-296	S\$366.80 Volume Pricing	2 In Stock
50.00	$\lambda/20$	-	$R_{avg} > 95\% @ 450 - 650nm$	Enhanced Aluminum (450-650nm)	5.00	#34-366	S\$390.60 Volume Pricing	Contact Us
50.00	$\lambda/20$	-	$R_{avg} > 96\% @ 700 - 2000nm$ $R_{avg} > 96\% @ 2000 - 10,000nm$	Protected Gold (700-10000nm)	5.00	#34-382	S\$547.40 Volume Pricing	2 In Stock
50.00	$\lambda/20$	-	$R_{avg} > 98\% @ 450 - 2000nm$ $R_{avg} > 98\% @ 2000 - 10,000nm$	Protected Silver (450-10000nm)	5.00	#34-398	S\$508.20 Volume Pricing	Contact Us
50.00	$\lambda/20$ (flatness pre-coating)	-	$R_{avg} > 85\% @ 250 - 700nm$ $R_{avg} > 89\% @ 250 - 450nm$	UV Enhanced Aluminum (250-700nm)	5.00	#70-297	S\$390.60 Volume Pricing	4 In Stock
-	$\lambda/20$	50.0 x 50.0	$R_{avg} > 95\% @ 450 - 650nm$	Enhanced Aluminum (450-650nm)	5.00	#34-367	S\$390.60 Volume Pricing	4 In Stock

-	$\lambda/20$	50.0 x 50.0	$R_{avg} > 96\% @$ 700 - 2000nm $R_{avg} > 96\% @$ 2000 - 10,000nm	Protected Gold (700-10000nm)	5.00	#34-383	S\$547.40 Volume Pricing	2 In Stock
-	$\lambda/20$	50.0 x 50.0	$R_{avg} > 98\% @$ 450 - 2000nm $R_{avg} > 98\% @$ 2000 - 10,000nm	Protected Silver (450-10000nm)	5.00	#34-399	S\$498.40 Volume Pricing	5 In Stock
-	$\lambda/20$ (flatness pre-coating)	50.00 x 50.00	$R_{avg} > 85\% @$ 250 - 700nm $R_{avg} > 89\% @$ 250 - 450nm	UV Enhanced Aluminum (250-700nm)	5.00	#70-299	S\$390.60 Volume Pricing	2 In Stock
75.00	$\lambda/20$	-	$R_{avg} > 95\% @$ 450 - 650nm	Enhanced Aluminum (450-650nm)	7.50	#34-368	S\$819.00 Volume Pricing	5 In Stock
75.00	$\lambda/20$	-	$R_{avg} > 96\% @$ 700 - 2000nm $R_{avg} > 96\% @$ 2000 - 10,000nm	Protected Gold (700-10000nm)	7.50	#34-384	S\$1,057.00 Volume Pricing	3 In Stock
75.00	$\lambda/20$	-	$R_{avg} > 98\% @$ 450 - 2000nm $R_{avg} > 98\% @$ 2000 - 10,000nm	Protected Silver (450-10000nm)	7.50	#34-400	S\$1,001.00 Volume Pricing	5 In Stock
75.00	$\lambda/20$ (flatness pre-coating)	-	$R_{avg} > 85\% @$ 250 - 700nm $R_{avg} > 89\% @$ 250 - 450nm	UV Enhanced Aluminum (250-700nm)	7.50	#70-300	S\$819.00 Volume Pricing	Contact Us
-	$\lambda/20$	75.0 x 75.0	$R_{avg} > 95\% @$ 450 - 650nm	Enhanced Aluminum (450-650nm)	7.50	#34-369	S\$819.00 Volume Pricing	7 In Stock
-	$\lambda/20$	75.0 x 75.0	$R_{avg} > 96\% @$ 700 - 2000nm $R_{avg} > 96\% @$ 2000 - 10,000nm	Protected Gold (700-10000nm)	7.50	#34-385	S\$1,057.00 Volume Pricing	4 In Stock
-	$\lambda/20$	75.0 x 75.0	$R_{avg} > 98\% @$ 450 - 2000nm $R_{avg} > 98\% @$ 2000 - 10,000nm	Protected Silver (450-10000nm)	7.50	#34-401	S\$980.00 Volume Pricing	10 In Stock
-	$\lambda/20$ (flatness pre-coating)	75.00 x 75.00	$R_{avg} > 85\% @$ 250 - 700nm $R_{avg} > 89\% @$ 250 - 450nm	UV Enhanced Aluminum (250-700nm)	7.50	#70-301	S\$833.00 Volume Pricing	5 In Stock



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