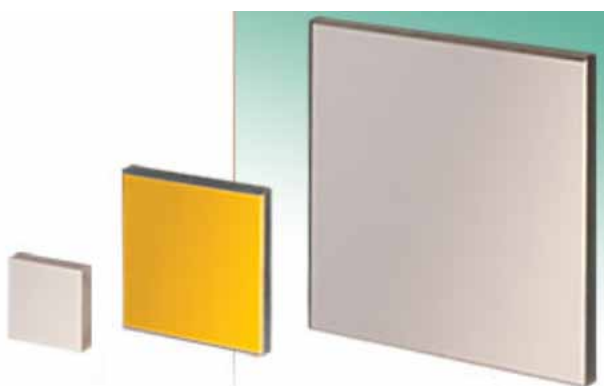


CHAPTER 4 OPTICS & MATERIALS

METALLIC MIRRORS



- Protected Gold: Ravg > 95 % from 800 nm - 10 μm
- Protected Silver: Ravg > 96% from 400-700 nm;
Ravg > 97.5% from 700 nm -2.0 μm
- Protected Aluminum: Ravg > 90% from 400 nm -10 μm



Dimensions(mm)	Thickness(mm)	Model No.		
		Enhanced Aluminum	UV Enhanced Aluminum	Protected Gold
10 Dia.	2	BPM20A	BPM20UV	BPM20G
10*10	2	BPM21A	BPM21UV	BPM21G
12.5 Dia	2	BPM22A	BPM22UV	BPM22G
15*15	2	BPM23A	BPM23UV	BPM23G
20*20	2	BPM24A	BPM24UV	BPM24G
25 Dia	3	BPM25A	BPM25UV	BPM25G
25*25	6	BPM26A	BPM26UV	BPM26G
50 Dia.	4	BPM27A	BPM27UV	BPM27G
50*50	10	BPM28A	BPM28UV	BPM28G
75*75	12	BPM29A	BPM29UV	BPM29G
100*100	15	BPM210A	BPM210UV	BPM210G

Specification	
Substrate	BK7
Dimensional Tolerance	±0.25mm
Thickness Tolerance	±0.25mm
Surface Accuracy	1/4 λ at 632.8nm
Surface Quality	60-40
Reflectivity	85% @ 400-700nm
Clear Aperture	85%

Low Cost Aluminum Mirrors

Model No.	Diameter(mm)	Thickness(mm)
BM01	25	4.0
BM02	50	10.0