



## Albrighter Technology Co., Limited

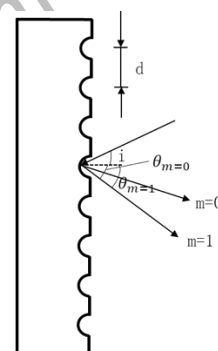
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### Ruled Reflective Diffraction Gratings

Diffraction grating is a kind of optical glass substrate composed of dense, equidistant parallel lines, and the surface is coated with aluminized reflective film, which can separate white light into various components through diffraction effect. High-quality ruled diffraction gratings can meet almost all diffraction needs, especially when the efficiency requirements are relatively high. Diffraction gratings can be used in a variety of monochromatic research, teaching, and industrial applications. Almost all commercial spectrophotometers use diffraction gratings to select specific wavelengths or scan the entire wavelength region. Customers can select gratings according to size, groove spacing and blaze wavelength. Because the surface of the grating is aluminum film, there is no inventory in advance, but the grating can be quickly copied according to customer requirements.

<b>Dimension Tolerance(mm):</b>	<b>±0.5</b>
<b>Clear Aperture:</b>	<b>≥90%</b>
<b>Thickness (mm):</b>	<b>9.5</b>
<b>Absolute Diffraction Efficiency:</b>	<b>60%-80% @ Blaze Wavelength</b>
<b>Groove Density (Grooves/mm):</b>	<b>120-2400 optional</b>
<b>Direction of Grooves:</b>	<b>Parallel to Short Dimension</b>
<b>Material:</b>	<b>Optical Glass</b>
<b>Coating:</b>	<b>Bare Aluminum</b>



CAT	Dimension(mm)	Groove Density(grooves/mm)	Blaze Wavelength(nm)
AGR1-13-300-500	12.7x12.7x6	300	500
AGR1-25-300-300	25x25x6	300	300
AGR1-25-600-500	25x25x6	600	500
AGR1-25-600-750	25x25x6	600	750
AGR1-25-600-1250	25x25x6	600	1250
AGR1-30-2400-250	30x30x9.5	2400	250
AGR1-35-1200-365	35x35x9.5	1200	365
AGR1-35-1200-800	35x35x9.5	1200	800
AGR1-40-300-1500	40x40x9.5	300	1500
AGR1-50-300-365	50x50x9.5	300	1000
AGR1-50-300-3400	50x50x9.5	300	3400
AGR1-50-600-750	50x50x9.5	600	750
AGR1-50-600-1000	50x50x9.5	600	1000
AGR1-50-1200-250	50x50x9.5	1200	250