Optical Coatings:

Anti Reflection
High Reflection
Partial Reflection
Metal Mirrors
Phase Retarding
Non-Polarizers
Polarizers
Dichroic Filters

Coatings Tutorial
RMI Standard Specs

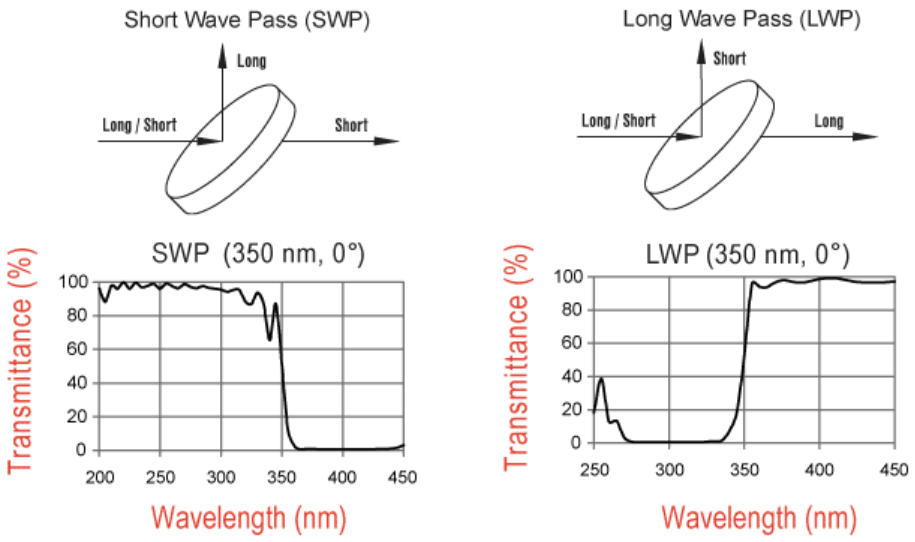
Dichroic Filters » UV / Excimer

Dichroic Filter coatings are designed to transmit one spectral region (passband) and reflect another (rejection band).

The filter is a Short Wave Pass (SWP) if the passband is to the left of the transition slope, and a Long Wave Pass (LWP) if the passband is to the right of the slope.

The advantages of Dichroic Filters over Colored Glass Filters are:

1. The rejection band is reflected rather than absorbed.
2. Steeper transition slope between the passband and the rejection band; i.e. sharper cut-on or cut-off.
3. Coatings can be custom designed for specific center wavelengths.



RMI Standard Specifications	
Angle of Incidence:	0º or 45º
Passband:	T = 50% ± 5% at λ_0 $T_{avg} \geq 90\%$ at 0º $T_{avg} \geq 85\%$ at 45º
Rejection Band:	$R_{avg} \geq 99\%$ at 0º $R_{avg} \geq 98\%$ at 45º
Damage Threshold:	3 J/cm2, 10 ns pulse

The cornerstone of the RMI service philosophy is a collaborative approach with our customers to solve even the most technically challenging requirements. Working with clients in the early stages of development, we transition prototype concepts to efficient and manufacturable solutions.

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