

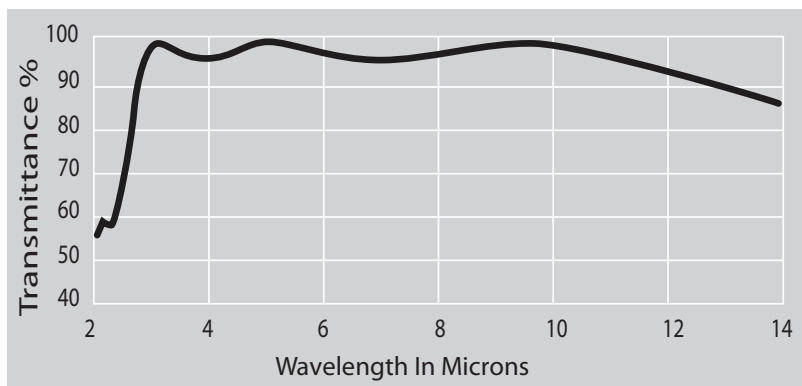
Germanium (Ge) Coated AR 3-12 microns both sides

Diameter tolerance	0,-0.005" (+0,-0.13 mm)
Center Thickness tolerance	+/-0.008" (+/-0.2 mm)
Design Wavelength	10.6 microns
Focal Length Tolerance	+/-0.02
Surface Quality	60/40
Clear Aperture	90% Central Diameter
Wedge Angle	<3 arc min
Surface Irregularity	1/20 λ at 10.6 microns

CAT #	DIA, in	DIA, mm	FOC, mm	CT, mm	R, mm	ET, mm
AR312-GE-PX-12-25	0.5	12.7	25.4	2.3	76.05	2.0
AR312-GE-PX-12-50	0.5	12.7	50.8	2.1	151.01	2.0
AR312-GE-PX-25-50	1.0	25.4	50.8	2.5	151.01	2.0
AR312-GE-PX-25-63	1.0	25.4	63.5	2.4	188.80	2.0
AR312-GE-PX-25-76	1.0	25.4	75.0	2.4	229.10	2.0
AR312-GE-PX-25-100	1.0	25.4	100	2.3	299.90	2.0
AR312-GE-PX-25-127	1.0	25.4	127	2.2	376.70	2.0
AR312-GE-PX-25-150	1.0	25.4	150	2.2	452.90	2.0
AR312-GE-PX-25-200	1.0	25.4	200	2.2	597.16	2.0
AR312-GE-PX-25-254	1.0	25.4	254	2.1	748.20	2.0
AR312-GE-PX-25-500	1.0	25.4	500	2.0	1500.0	2.0
AR312-GE-PX-38-50	1.5	38.1	50.8	3.2	151.01	2.0
AR312-GE-PX-38-63	1.5	38.1	63.5	3.0	188.80	2.0
AR312-GE-PX-38-76	1.5	38.1	75.0	2.8	229.10	2.0
AR312-GE-PX-38-100	1.5	38.1	100	2.6	299.90	2.0
AR312-GE-PX-38-127	1.5	38.1	127	2.5	376.70	2.0
AR312-GE-PX-38-150	1.5	38.1	150	2.4	452.90	2.0
AR312-GE-PX-38-200	1.5	38.1	200	2.3	597.16	2.0
AR312-GE-PX-38-254	1.5	38.1	254	2.2	748.20	2.0
AR312-GE-PX-38-500	1.5	38.1	500	2.1	1500.0	2.0
AR312-GE-PX-38-1000	1.5	38.1	1000	2.0	2965.0	2.0
AR312-GE-PX-38-2000	1.5	50.8	2000	2.0	5929.0	2.0
AR312-GE-PX-50-76	2.0	50.8	75.0	4.0	229.10	2.6
AR312-GE-PX-50-100	2.0	50.8	100	3.6	299.90	2.5
AR312-GE-PX-50-127	2.0	50.8	127	3.3	376.70	2.5
AR312-GE-PX-50-150	2.0	50.8	150	3.2	452.90	2.5
AR312-GE-PX-50-200	2.0	50.8	200	3.0	597.16	2.5
AR312-GE-PX-50-254	2.0	50.8	254	2.9	748.20	2.5
AR312-GE-PX-50-300	2.0	50.8	300	2.9	855.10	2.5
AR312-GE-PX-50-500	2.0	50.8	500	2.7	1500.0	2.5
AR312-GE-PX-50-1000	2.0	50.8	1000	2.6	2965.0	2.5
AR312-GE-PX-50-2000	2.0	50.8	2000	2.5	5929.0	2.5
AR312-GE-PX-76-150	3.0	76.2	150	4.7	452.90	3.1
AR312-GE-PX-76-200	3.0	76.2	200	4.3	597.16	3.1
AR312-GE-PX-76-250	3.0	76.2	254	4.0	748.20	3.0
AR312-GE-PX-76-500	3.0	76.2	500	3.5	1500.0	3.0
AR312-GE-PX-76-1000	3.0	76.2	1000	3.3	2965.0	3.0
AR312-GE-PX-76-2000	3.0	76.2	2000	3.2	5929.0	3.0

Custom sizes and specifications are available

Broad Band Antireflection Coating Ge 3-12 um



Average Transmittance of AR coated 3-12 um Ge lens is over 90%.
Uncoated Ge lens transmits 46%.

GENERAL ENVIRONMENTAL SPECIFICATIONS:

Adhesion, abrasion, humidity and thermal cycle requirements per MIL-C-48497, MIL-M-13508.

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