

View Online at <https://aerobasegroup.com/nsn/6650-00-382-1875>

**Diameter:**

1.378 inches

**Axial Thickness:**

0.276 inches and 0.118 inches

**Compound Lensaxial Thickness:**

0.394 inches

**Compound Lens Edge Thickness:**

0.340 inches

**Equivalent Focal Length:**

8.726 inches

**Back Focal Length:**

8.515 inches

**Front Focal Length:**

8.688 inches

**Refraction Index:**

1.5740 and 1.6210

**Abbe Constant:**

57.700 and 36.600

**Compound Lens Style:**

Doublet

**Individual Lens Style:**

Double convex and meniscus diverging

**Element Left Surface Radius:**

-2.958 inches and 5.630 inches

**Element Right Surface Radius:**

-2.958 inches and -13.780 inches

**Material:**

Glass, optical, mil-g-174, class 1, grade c

**Material:**

Glass optical

**Material Specification:**

Mil-g-174, class 1, grade c military specification single material response

**Fsc Application Data:**

Fire control, telescope, mk66

**Shelf Life:**

N/a

**Unit Of Measure:**

--

**Demilitarization:**

Yes - demil/mli

**Fig:**

T271-e

**Mil-std (military Standard):**

Mil-g-174 spec.