

View Online at <https://aerobasegroup.com/nsn/6650-00-382-1853>

**Diameter:**

1.772 inches

**Axial Thickness:**

0.315 inches and 0.158 inches

**Compound Lensaxial Thickness:**

0.473 inches

**Compound Lens Edge Thickness:**

0.413 inches

**Equivalent Focal Length:**

13.029 inches

**Back Focal Length:**

12.770 inches

**Front Focal Length:**

12.987 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:**

-4.331 inches and 8.189 inches

**Element Right Surface Radius:**

-4.331 inches and -35.433 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:**

1. Fire control, telescope, mk 53 mod 0

**Shelf Life:**

N/a

**Unit Of Measure:**

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**Demilitarization:**

Yes - demil/mli

**Fig:**

T271-e

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

Mil-g-174 spec.