

Raytrace of BBC-152 with the MRDT-50 for Camera Resolution Studies

KEY FEATURES:

- Allows for testing of apertures up to 152mm
- Off-axis parabola for use from visible to LWIR
- Software available for MTF / MRTD / NEDT characterization
- IR target projection

BBC -152 COLLIMATOR

Attachment for MRDT-50 Differential Blackbody

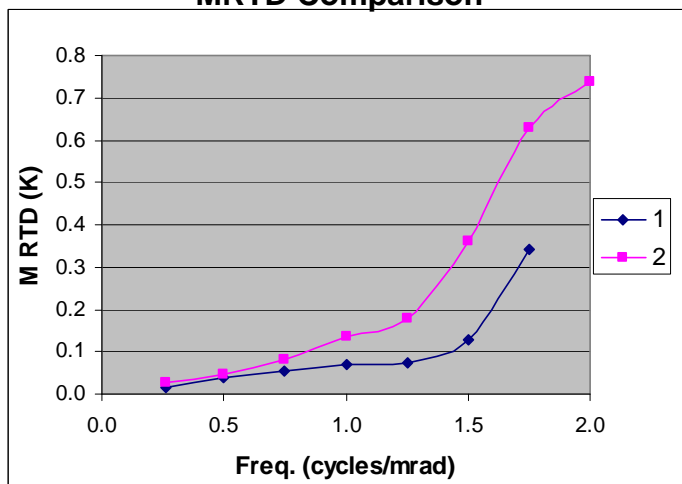
This reflective collimator attachment allows infinity-focus testing of IR cameras and optics up to 6 inches. The off-axis parabolic collimating mirror is coated with protected aluminum for operation from visible through LWIR. Other mirror coatings may be furnished upon request.

Band Pass:	VIS-LWIR
Focal Length:	52.63 in
Aperture:	152.4 mm

MRTD Comparison

The BBC-152 collimator provides the following bar pitches:

Bar Target Pitch	
Inch	mrاد
0.020	0.380
0.024	0.456
0.048	0.912
0.122	2.318
0.428	8.132



A typical MRTD curve. System 1 can resolve frequencies at a smaller temperature difference than System 2.

Have a specific requirement outside the what we have described? Let us know and we will design a custom solution to suit your needs.

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