

Zero Aperture, 50mm Max. Aperture, Iris Diaphragm



Stock **#53-909** **5 In Stock**

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1

+

₹10,856

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Volume Pricing	
Qty 1-9	₹10,856 each
Qty 10-25	₹9,616 each
Qty 26+	₹8,890 each
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General

Unmounted

Type:

Physical & Mechanical Properties

50.0

Maximum Aperture (mm):

72.0	Outer Diameter (mm):
Construction: Black Anodized Aluminum, Black Spring Steel Leaves, Stainless Steel Pins	
3.00	Lever Diameter (mm):
13.50	Lever Length (mm):
Two Sets of 8	Number of Leaves:
3.3	Spacing of Leaf Layers (mm):
9.10	Thickness (mm):

Optical Properties

0.00	Minimum Aperture (mm):
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Regulatory Compliance

Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	Reach 247:
Germany	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- Provide Total Light Extinction When Closed
- Aperture Sizes Up to 75mm
- Mounted Options Available

Zero Aperture Series Iris Diaphragms are designed and manufactured using the same high-quality movements as our [Standard Series Iris Diaphragms](#) but with the added benefit of total light extinction. This type of control is often used in systems where the dark signal (background noise) must be measured for calibration. For each iris, there are two additional relief leaves (not listed in table) that are not visible. These diaphragms are offered with maximum apertures of 12 – 75mm and have outer diameters ranging from 21 to 102mm. Zero Aperture Series Iris Diaphragms feature two sets of leaves which are mounted on different tiers and are moved by one lever.

For specific OEM application assistance, please contact our [Applications Engineering Department](#).

Note: [Iris Diaphragm Mounts](#) sold separately.

Technical Information

Outer Diameter A	Maximum Aperture B	Minimum Aperture C	Thickness D	Stock No.
102mm	75mm	0mm	9.1mm	#64-506
21mm	12mm		6.2mm	#53-906
29mm	12mm		6.1mm	#62-649
38mm	25mm			#53-907
54mm	37mm		7.5mm	#53-908
72mm	50mm		9.1mm	#53-909
37mm	12mm		6.2mm	#62-653
54mm	25mm		6.1mm	#62-654
67mm	37mm		7.5mm	#62-655
88mm	50mm		9.1mm	#62-656

Zero Aperture Series Iris Diaphragms

The diagram illustrates the Zero Aperture Series Iris Diaphragms. The top view (left) shows a circular diaphragm with a central iris mechanism. A 90° arc indicates the range of motion for the iris. Dimensions B and C are shown at the bottom, representing the maximum and minimum apertures respectively. The side view (right) shows the diaphragm's profile with a lever actuator at the top. Dimension A represents the total thickness, and dimension D represents the thickness of the diaphragm body.

Units: mm

