

TECHSPEC[®] S-Mount, 12.5mm x 17.6mm Plate Mount



Plate S-Mount Holder (#11-142)

Stock **#11-142** **2 In Stock**

-

1

+

A\$444⁸⁰

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Volume Pricing	
Qty 1-4	A\$444.80 each
Qty 5-9	A\$416.00 each
Qty 10-25	A\$395.84 each
Need More?	Request Quote

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General	
Optic Mount (Fixed)	Function:
Rectangular	Type of Optics:
Includes one S-Mount Aperture Cap (# 11-137)	
Note:	
Dimensions of Compatible Optics (mm):	
12.5 x 17.6	

Physical & Mechanical Properties	
Material	Aluminum 6061-T6
Dimensions (mm)	100 x 50 x 10
Weight (g)	120
Yield Strength (MPa)	276
Tensile Strength (MPa)	324
Elongation (%)	12
Hardness (HV)	95
Surface Finish	Anodized
Corrosion Resistance	Good
Thermal Conductivity (W/mK)	170
Thermal Expansion Coefficient (1/K)	23.6
Melting Point (°C)	933
Modulus of Elasticity (GPa)	68.9
Poisson's Ratio	0.33
Impact Resistance (J/m²)	100
Fatigue Life (cycles)	10 ⁷
Creep Resistance	Good
Weldability	Good
Formability	Good
Recyclability	High
Environmental Resistance	Good
Biocompatibility	Good
Flammability	Good
Acoustic Properties	Good
Electromagnetic Interference (EMI) Shielding	Good
Electrostatic Discharge (ESD) Protection	Good
UV Radiation Resistance	Good
Radio Frequency Interference (RFI) Shielding	Good
Gamma Radiation Resistance	Good
Neutron Radiation Resistance	Good
Alpha Radiation Resistance	Good
Beta Radiation Resistance	Good
Gamma Radiation Dose Rate (Gy/h)	100
Neutron Radiation Dose Rate (Gy/h)	100
Alpha Radiation Dose Rate (Gy/h)	100
Beta Radiation Dose Rate (Gy/h)	100
Gamma Radiation Half-Life (h)	100
Neutron Radiation Half-Life (h)	100
Alpha Radiation Half-Life (h)	100
Beta Radiation Half-Life (h)	100
Gamma Radiation Decay Constant (1/h)	100
Neutron Radiation Decay Constant (1/h)	100
Alpha Radiation Decay Constant (1/h)	100
Beta Radiation Decay Constant (1/h)	100
Gamma Radiation Activity (Bq)	100
Neutron Radiation Activity (Bq)	100
Alpha Radiation Activity (Bq)	100
Beta Radiation Activity (Bq)	100
Gamma Radiation Exposure Rate (R/h)	100
Neutron Radiation Exposure Rate (R/h)	100
Alpha Radiation Exposure Rate (R/h)	100
Beta Radiation Exposure Rate (R/h)	100
Gamma Radiation Dose Equivalent Rate (Sv/h)	100
Neutron Radiation Dose Equivalent Rate (Sv/h)	100
Alpha Radiation Dose Equivalent Rate (Sv/h)	100
Beta Radiation Dose Equivalent Rate (Sv/h)	100
Gamma Radiation Absorbed Dose Rate (Gy/h)	100
Neutron Radiation Absorbed Dose Rate (Gy/h)	100
Alpha Radiation Absorbed Dose Rate (Gy/h)	100
Beta Radiation Absorbed Dose Rate (Gy/h)	100
Gamma Radiation Equivalent Dose Rate (Sv/h)	100
Neutron Radiation Equivalent Dose Rate (Sv/h)	100
Alpha Radiation Equivalent Dose Rate (Sv/h)	100
Beta Radiation Equivalent Dose Rate (Sv/h)	100
Gamma Radiation Effective Dose Rate (Sv/h)	100
Neutron Radiation Effective Dose Rate (Sv/h)	100
Alpha Radiation Effective Dose Rate (Sv/h)	100
Beta Radiation Effective Dose Rate (Sv/h)	100
Gamma Radiation Annual Dose (Sv)	100
Neutron Radiation Annual Dose (Sv)	100
Alpha Radiation Annual Dose (Sv)	100
Beta Radiation Annual Dose (Sv)	100
Gamma Radiation Lifetime Dose (Sv)	100
Neutron Radiation Lifetime Dose (Sv)	100
Alpha Radiation Lifetime Dose (Sv)	100
Beta Radiation Lifetime Dose (Sv)	100
Gamma Radiation Lifetime Effective Dose (Sv)	100
Neutron Radiation Lifetime Effective Dose (Sv)	100
Alpha Radiation Lifetime Effective Dose (Sv)	100
Beta Radiation Lifetime Effective Dose (Sv)	100
Gamma Radiation Lifetime Equivalent Dose (Sv)	100
Neutron Radiation Lifetime Equivalent Dose (Sv)	100
Alpha Radiation Lifetime Equivalent Dose (Sv)	100
Beta Radiation Lifetime Equivalent Dose (Sv)	100
Gamma Radiation Lifetime Absorbed Dose (Gy)	100
Neutron Radiation Lifetime Absorbed Dose (Gy)	100
Alpha Radiation Lifetime Absorbed Dose (Gy)	100
Beta Radiation Lifetime Absorbed Dose (Gy)	100
Gamma Radiation Lifetime Dose Equivalent (Sv)	100
Neutron Radiation Lifetime Dose Equivalent (Sv)	100
Alpha Radiation Lifetime Dose Equivalent (Sv)	100
Beta Radiation Lifetime Dose Equivalent (Sv)	100
Gamma Radiation Lifetime Effective Dose (Sv)	100
Neutron Radiation Lifetime Effective Dose (Sv)	100
Alpha Radiation Lifetime Effective Dose (Sv)	100
Beta Radiation Lifetime Effective Dose (Sv)	100
Gamma Radiation Lifetime Equivalent Dose (Sv)	100
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Alpha Radiation Lifetime Equivalent Dose (Sv)	100
Beta Radiation Lifetime Equivalent Dose (Sv)	100
Gamma Radiation Lifetime Absorbed Dose (Gy)	100
Neutron Radiation Lifetime Absorbed Dose (Gy)	100
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Alpha Radiation Lifetime Equivalent Dose (Sv)	100
Beta Radiation Lifetime Equivalent Dose (Sv)	100
Gamma Radiation Lifetime Absorbed Dose (Gy)	100
Neutron Radiation Lifetime Absorbed Dose (Gy)	100
Alpha Radiation Lifetime Absorbed Dose (Gy)	100

30.0 x 30.0 x 28.5 **Dimensions (mm):**

30.0 **Extension Length (mm):**

1.0	Min. Thickness of Compatible Optics (mm):
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3.0	Max. Thickness of Compatible Optics (mm):
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Threading & Mounting

S-Mount	Thread Type:
1/4-20	Compatible Post:

Regulatory Compliance

RoHS 2015:

Compliant

[View](#) Certificate of Conformance:

Product Details

- C, S, and T-Mount Solutions for Mounting Cube and Plate Beamsplitters, Filters, and Mirrors
 - Provides a 90° Mounting Interface
 - 1/4-20 and M6 Tapped Mounting Threads for English or Metric Based Systems
- TECHSPEC® C, S, and T-Mount Cube and Plate Mounts allow for the integration of cube and plate optics into C, S, and T-Mount systems. These mounts feature four C, S, or T-Mount threaded apertures that can also act as connection points for other C, S, or T-Mount components. Either an M6 or 1/4-20 tapped hole is provided on the base for post mounting, making these mounts compatible with breadboard and benchtop systems. TECHSPEC® C, S, and T-Mount Cube and Plate Mounts provide a 90° mounting interface ideal for placing beamsplitters, filters, and mirrors within a system. C, S, and T-Mount Aperture Caps are available to block light from unused openings and to protect the optic from dust and debris.

Note: [#11-139](#) and [#11-142](#) each include one S-Mount Aperture Cap ([#11-137](#))

Technical Information

