

S-2-UW-H-43-16



Ultra Wideband Two-way Low PIM Reactive High Power Splitter, 555–6000 MHz (Additional mounting bracket PN:42396A-17 sold separately)

Product Classification

| | |
|-----------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Product Type | Power splitter |

General Specifications

| | |
|-----------------------|----------------|
| Device Type | Splitter |
| Application | Indoor/Outdoor |
| Color | White |
| Inner Contact Plating | Silver |
| Interface | 4.3-10 Female |
| Outer Contact Plating | Trimetal |

Dimensions

| | |
|--------|--------------------|
| Height | 25 mm 0.984 in |
| Width | 66 mm 2.598 in |
| Length | 269 mm 10.591 in |

Electrical Specifications

| | |
|----------------------------------|--|
| 3rd Order IMD | -165 dBc |
| 3rd Order IMD Test Method | Two +43 dBm carriers |
| Insertion Loss at Frequency Band | 0.2 dB @ 555–2700 MHz 0.3 dB @ 2700–6000 MHz |
| Return Loss, minimum | 19.1 dB |
| Average Power, maximum | 300 W |
| Impedance | 50 ohm |
| Operating Frequency Band | 555 – 6000 MHz |
| Peak Power, maximum | 3 kW |

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| | |
|---------------------------------|-------|
| Power Rating, Splitting | 300 W |
| Reflected Power, maximum | 300 W |
| Split Loss | 3 dB |
| VSWR | 1.25 |

Mechanical Specifications

| | |
|----------------------------------|----------------------|
| Coupling Nut Proof Torque | 7 N-m 61.955 in lb |
|----------------------------------|----------------------|

Environmental Specifications

| | |
|---------------------------------------|--------------------------------------|
| Operating Temperature | -25 °C to +85 °C (-13 °F to +185 °F) |
| Relative Humidity | Up to 100% |
| Corrosion Test Method | IEC 60068-2-11, 30 days |
| Ingress Protection Test Method | IEC 60529:2001, IP67 |

Packaging and Weights

| | |
|-----------------------|--------------------|
| Height, packed | 42 mm 1.654 in |
| Width, packed | 77 mm 3.031 in |
| Length, packed | 315 mm 12.402 in |
| Weight, gross | 0.5 kg 1.102 lb |
| Weight, net | 0.42 kg 0.926 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |



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S-3-UW-H-43-16



Ultra Wideband Three-way Low PIM Reactive High Power Splitter, 555–6000 MHz (Additional mounting bracket PN:42396A-17 sold separately)

Product Classification

| | |
|-----------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Product Type | Power splitter |

General Specifications

| | |
|-----------------------|----------------|
| Device Type | Splitter |
| Application | Indoor/Outdoor |
| Color | White |
| Inner Contact Plating | Silver |
| Interface | 4.3-10 Female |
| Outer Contact Plating | Trimetal |

Dimensions

| | |
|--------|-------------------|
| Height | 45 mm 1.772 in |
| Width | 66 mm 2.598 in |
| Length | 205 mm 8.071 in |

Electrical Specifications

| | |
|----------------------------------|---|
| 3rd Order IMD | -165 dBc |
| 3rd Order IMD Test Method | Two +43 dBm carriers |
| Insertion Loss at Frequency Band | 0.2 dB @ 555–2700 MHz 0.4 dB @ 2700–3800 MHz 0.45 dB @ 3800–4900 MHz 0.9 dB @ 4900–6000 MHz |
| Return Loss, minimum | 19.1 dB |
| Average Power, maximum | 300 W |
| Impedance | 50 ohm |
| Operating Frequency Band | 555 – 6000 MHz |

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| | |
|---------------------------------|--------|
| Peak Power, maximum | 3 kW |
| Power Rating, Splitting | 300 W |
| Reflected Power, maximum | 300 W |
| Split Loss | 4.8 dB |
| VSWR | 1.25 |

Mechanical Specifications

| | |
|----------------------------------|----------------------|
| Coupling Nut Proof Torque | 7 N-m 61.955 in lb |
|----------------------------------|----------------------|

Environmental Specifications

| | |
|---------------------------------------|--------------------------------------|
| Operating Temperature | -35 °C to +85 °C (-31 °F to +185 °F) |
| Relative Humidity | Up to 100% |
| Corrosion Test Method | IEC 60068-2-11, 30 days |
| Ingress Protection Test Method | IEC 60529:2001, IP67 |

Packaging and Weights

| | |
|-----------------------|--------------------|
| Height, packed | 52 mm 2.047 in |
| Width, packed | 72 mm 2.835 in |
| Length, packed | 250 mm 9.843 in |
| Weight, gross | 0.45 kg 0.992 lb |
| Weight, net | 0.37 kg 0.816 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |



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S-4-UW-H-43-16



Ultra Wideband Four-way Low PIM Reactive High Power Splitter, 555–6000 MHz (Additional mounting bracket PN:42396A-17 sold separately)

Product Classification

| | |
|-----------------------|---|
| Regional Availability | Asia Australia/New Zealand EMEA Latin America North America |
| Product Type | Power splitter |

General Specifications

| | |
|-----------------------|----------------|
| Device Type | Splitter |
| Application | Indoor/Outdoor |
| Color | White |
| Inner Contact Plating | Silver |
| Interface | 4.3-10 Female |
| Outer Contact Plating | Trimetal |

Dimensions

| | |
|--------|------------------|
| Height | 45 mm 1.772 in |
| Width | 66 mm 2.598 in |
| Length | 254 mm 10 in |

Electrical Specifications

| | |
|----------------------------------|--|
| 3rd Order IMD | -165 dBc |
| 3rd Order IMD Test Method | Two +43 dBm carriers |
| Insertion Loss at Frequency Band | 0.3 dB @ 555–2700 MHz 0.55 dB @ 2700–3800 MHz 0.75 dB @ 3800–4900 MHz 1.4 dB @ 4900–6000 MHz |
| Return Loss, minimum | 19.1 dB |
| Average Power, maximum | 300 W |
| Impedance | 50 ohm |
| Operating Frequency Band | 555 – 6000 MHz |

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| | |
|---------------------------------|--|
| Peak Power, maximum | 3 kW |
| Power Rating, Splitting | 300 W |
| Reflected Power, maximum | 300 W |
| Split Loss | 6 dB |
| VSWR at Frequency Band | 1.25 @ 555–2700 MHz 1.25:1 @ 2700–3800 MHz 1.3:1 @ 3800–6000 MHz |

Mechanical Specifications

| | |
|----------------------------------|----------------------|
| Coupling Nut Proof Torque | 7 N-m 61.955 in lb |
|----------------------------------|----------------------|

Environmental Specifications

| | |
|---------------------------------------|--------------------------------------|
| Operating Temperature | -35 °C to +85 °C (-31 °F to +185 °F) |
| Relative Humidity | Up to 100% |
| Corrosion Test Method | IEC 60068-2-11, 30 days |
| Ingress Protection Test Method | IEC 60529:2001, IP67 |

Packaging and Weights

| | |
|-----------------------|--------------------|
| Height, packed | 55 mm 2.165 in |
| Width, packed | 77 mm 3.031 in |
| Length, packed | 315 mm 12.402 in |
| Weight, gross | 0.47 kg 1.036 lb |
| Weight, net | 0.39 kg 0.86 lb |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.commscope.com/ProductCompliance |
| ROHS | Compliant |



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