

**FIBERSENSE & SIGNALS INC.**  
**SAN JOSE, CA 95134, U.S.A.**

**PRODUCT QA & SPECIFICATION SHEET**


**Note:** FIBERSENSE'S STATEMENT OF POLICY AND INTENT RE. QUALITY ASSURANCE CONTROL AND PROCEDURES: FIBERSENSE maintains in-house Quality Assurance standards and testing in accordance with NATO AQAQ 400 standards and Boeing Document D1-8000A (Quality Assurance requirements for Boeing Suppliers) i.e.equal to or surpassing ISO – 9000 requirements.

<b>Customer:</b> Resonon, Inc.	<b>Date:</b> June 9, 2016
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> P.O. No. 636
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter Solarization Resistant Fiber	<b>Custom Part No.:</b> FOSC-UF-600SR-MM-0102 <b>Serial No.:</b> POSR16050202
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 1.516 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	-6.5	-10.6	-11.5		
<b>Splitting Ratio (%)</b>		55.16%	44.84%		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has five (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

Engineering/Production

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<b>Customer:</b> <b>Resonon, Inc.</b>	<b>Date:</b> <b>June 9, 2016</b>
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>

<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
	<b>Serial No.:</b> <b>POSR16050205</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 1.27 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.5</b>	<b>-10.4</b>	<b>-11.2</b>		
<b>Splitting Ratio (%)</b>		<b>54.59%</b>	<b>45.41%</b>		

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Engineering/Production

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<b>Customer:</b> <b>Resonon, Inc.</b>	<b>Date:</b> <b>June 9, 2016</b>
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
	<b>Serial No.:</b> <b>POSR16050207</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 1.161 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.5</b>	<b>-10.2</b>	<b>-11.2</b>		
<b>Splitting Ratio (%)</b>		<b>55.73%</b>	<b>44.27%</b>		

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<b>Customer:</b> Resonon, Inc.	<b>Date:</b> June 9, 2016
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> P.O. No. 636
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> FOSC-UF-600SR-MM-0102
	<b>Serial No.:</b> POSR16050208
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 1.348dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.5</b>	<b>-10.3</b>	<b>-11.5</b>		
<b>Splitting Ratio (%)</b>		<b>56.84%</b>	<b>43.14%</b>		

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<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
	<b>Serial No.:</b> <b>POSR16050211</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 0.916 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.3</b>	<b>-9.8</b>	<b>-10.7</b>		
<b>Splitting Ratio (%)</b>		<b>55.16%</b>	<b>44.84%</b>		

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<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> P.O. No. 636
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter Solarization Resistant Fiber	<b>Custom Part No.:</b> FOSC-UF-600SR-MM-0102
	<b>Serial No.:</b> POSR16050212
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 0.8 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	-6.5	-9.8	-10.9		
<b>Splitting Ratio (%)</b>		56.30%	43.7%		

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<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
	<b>Serial No.:</b> <b>POSR16050213</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 0.516 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.5</b>	<b>-9.6</b>	<b>-10.4</b>		
<b>Splitting Ratio (%)</b>		<b>55.16%</b>	<b>44.84%</b>		

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<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> P.O. No. 636
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter Solarization Resistant Fiber	<b>Custom Part No.:</b> FOSC-UF-600SR-MM-0102
	<b>Serial No.:</b> POSR16050214
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 1.416 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	-6.5	-10.5	-11.4		
<b>Splitting Ratio (%)</b>		55.16%	44.84%		

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<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Serial No.:</b> <b>POSR16050215</b>
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Environment:</b> Laboratory / Bench Top	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Excess Loss: - 1.461 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.6</b>	<b>-10.6</b>	<b>-11.6</b>		
<b>Splitting Ratio (%)</b>		<b>55.73%</b>	<b>44.27%</b>		

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<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> P.O. No. 636
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter Solarization Resistant Fiber	<b>Custom Part No.:</b> FOSC-UF-600SR-MM-0102
	<b>Serial No.:</b> POSR16050216
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 1.226 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.3</b>	<b>-10.2</b>	<b>-10.9</b>		
<b>Splitting Ratio (%)</b>		<b>54.02%</b>	<b>45.98%</b>		

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<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
	<b>Serial No.:</b> <b>POSR16050217</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 1.561 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.5</b>	<b>-10.6</b>	<b>-11.7</b>		
<b>Splitting Ratio (%)</b>		<b>55.73%</b>	<b>44.27%</b>		

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<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> P.O. No. 636
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter Solarization Resistant Fiber	<b>Custom Part No.:</b> FOSC-UF-600SR-MM-0102
	<b>Serial No.:</b> POSR16050218
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 1.461 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	-6.5	-10.5	-11.5		
<b>Splitting Ratio (%)</b>		55.73%	44.27%		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has three (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

Engineering/Production

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**FIBERSENSE & SIGNALS INC.**  
SAN JOSE, CA 95134, U.S.A.

**PRODUCT QA & SPECIFICATION SHEET**

Note: FIBERSENSE'S STATEMENT OF POLICY AND INTENT RE. QUALITY ASSURANCE CONTROL AND PROCEDURES: FIBERSENSE maintains in-house Quality Assurance standards and testing in accordance with NATO AQAQ 400 standards and Boeing Document D1-8000A (Quality Assurance requirements for Boeing Suppliers) i.e. equal to or surpassing ISO – 9000 requirements.

<b>Customer:</b> <b>Resonon, Inc.</b>	<b>Date:</b> <b>June 9, 2016</b>
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>

<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Serial No.:</b> <b>POSR16050219</b>
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Environment:</b> Laboratory / Bench Top	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.

**Excess Loss: - 1.185 dB.**

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.5</b>	<b>-10.5</b>	<b>-10.9</b>		
<b>Splitting Ratio (%)</b>		<b>52.30%</b>	<b>47.70%</b>		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has three (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

Engineering/Production

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Date: *June 9, 2016*

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**PRODUCT QA & SPECIFICATION SHEET**

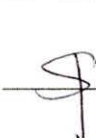

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<b>Customer:</b> Resonon, Inc.	<b>Date:</b> June 9, 2016
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> P.O. No. 636
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> FOSC-UF-600SR-MM-0102 <b>Serial No.:</b> POSR16050220
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 1.333 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	-6.3	-10.4	-10.9		
<b>Splitting Ratio (%)</b>		52.88%	47.12%		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has five (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

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<b>Customer:</b> Resonon, Inc.	<b>Date:</b> June 9, 2016
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> P.O. No. 636
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter Solarization Resistant Fiber	<b>Custom Part No.:</b> FOSC-UF-600SR-MM-0102
	<b>Serial No.:</b> POSR16050222
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 0.461 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.0</b>	<b>-9.0</b>	<b>-10.00</b>		
<b>Splitting Ratio (%)</b>		<b>55.73%</b>	<b>44.27%</b>		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has five (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

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<b>Customer:</b> <b>Resonon, Inc.</b>	<b>Date:</b> <b>June 9, 2016</b>
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
	<b>Serial No.:</b> <b>POSR16050223</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 0.571 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.3</b>	<b>-9.5</b>	<b>-10.3</b>		
<b>Splitting Ratio (%)</b>		<b>54.59%</b>	<b>45.41%</b>		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has three (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

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<b>Customer:</b> <b>Resonon, Inc.</b>	<b>Date:</b> <b>June 9, 2016</b>
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Serial No.:</b> <b>POSR16050224</b>
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Environment:</b> Laboratory / Bench Top	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Excess Loss: - 0.671 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.3</b>	<b>-9.6</b>	<b>-10.4</b>		
<b>Splitting Ratio (%)</b>		<b>54.59%</b>	<b>45.41%</b>		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has three (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

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<b>Customer:</b> <b>Resonon, Inc.</b>	<b>Date:</b> <b>June 9, 2016</b>
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>

<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Serial No.:</b> <b>POSR16050225</b>
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Environment:</b> Laboratory / Bench Top	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Excess Loss: - 0.216 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.1</b>	<b>-8.9</b>	<b>-9.8</b>		
<b>Splitting Ratio (%)</b>		<b>55.16%</b>	<b>44.84%</b>		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has three (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

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<b>Customer:</b> Resonon, Inc.	<b>Date:</b> June 9, 2016
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> P.O. No. 636
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter Solarization Resistant Fiber	<b>Custom Part No.:</b> FOSC-UF-600SR-MM-0102
	<b>Serial No.:</b> POSR16050226
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 0.379 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	-6.2	-9.3	-9.9		
<b>Splitting Ratio (%)</b>		53.45%	46.55%		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has three (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

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<b>Customer:</b> <b>Resonon, Inc.</b>	<b>Date:</b> <b>June 9, 2016</b>
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
	<b>Serial No.:</b> <b>POSR16050227</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 0.316 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.2</b>	<b>-9.1</b>	<b>-10.0</b>		
<b>Splitting Ratio (%)</b>		<b>55.16%</b>	<b>44.84%</b>		

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<b>Customer:</b> <b>Resonon, Inc.</b>	<b>Date:</b> <b>June 9, 2016</b>
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
	<b>Serial No.:</b> <b>POSR16050228</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 0.971 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.2</b>	<b>-9.9</b>	<b>-10.6</b>		
<b>Splitting Ratio (%)</b>		<b>54.59%</b>	<b>45.41%</b>		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has three (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

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<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
	<b>Serial No.:</b> <b>POSR16050229</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 0.316 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.0</b>	<b>-8.9</b>	<b>-9.8</b>		
<b>Splitting Ratio (%)</b>		<b>55.16%</b>	<b>44.84%</b>		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has three (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

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<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>

<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Serial No.:</b> <b>POSR16050230</b>
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Environment:</b> Laboratory / Bench Top	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Excess Loss: - 0.771 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.5</b>	<b>-9.9</b>	<b>-10.7</b>		
<b>Splitting Ratio (%)</b>		<b>54.59%</b>	<b>45.41%</b>		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has three (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

Engineering/Production

Date: 06 09 16 QA

Date: June 9, 2016

**FIBERSENSE & SIGNALS INC.**  
SAN JOSE, CA 95134, U.S.A.

**PRODUCT QA & SPECIFICATION SHEET**

Note: FIBERSENSE'S STATEMENT OF POLICY AND INTENT RE. QUALITY ASSURANCE CONTROL AND PROCEDURES: FIBERSENSE maintains in-house Quality Assurance standards and testing in accordance with NATO AQAQ 400 standards and Boeing Document D1-8000A (Quality Assurance requirements for Boeing Suppliers) i.e. equal to or surpassing ISO - 9000 requirements.

<b>Customer:</b> Resonon, Inc.	<b>Date:</b> June 9, 2016
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> P.O. No. 636
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter Solarization Resistant Fiber	<b>Custom Part No.:</b> FOSC-UF-600SR-MM-0102
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Serial No.:</b> POSR16050231
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Environment:</b> Laboratory / Bench Top	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Excess Loss: - 0.679 dB.</b>	

	Input Power (dB)	Output 1 (dB)	Output 2 (dB)		
	-6.5	-9.9	-10.5		
Splitting Ratio (%)		53.45%	46.55%		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has three (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

Engineering/Production

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Date: 06 09 16

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Date: Jun 9, 2016



**FIBERSENSE & SIGNALS INC.**  
**SAN JOSE, CA 95134, U.S.A.**

**PRODUCT QA & SPECIFICATION SHEET**

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<b>Customer:</b> <b>Resonon, Inc.</b>	<b>Date:</b> <b>June 9, 2016</b>
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
	<b>Serial No.:</b> <b>POSR16050232</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 0.405 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.0</b>	<b>-8.9</b>	<b>-10.00</b>		
<b>Splitting Ratio (%)</b>		<b>56.30%</b>	<b>43.70%</b>		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has five (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

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SAN JOSE, CA 95134, U.S.A.

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<b>Customer:</b> Resonon, Inc.	<b>Date:</b> June 9, 2016
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> P.O. No. 636
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter Solarization Resistant Fiber	<b>Custom Part No.:</b> FOSC-UF-600SR-MM-0102
	<b>Serial No.:</b> POSR16050233
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 1.616 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	-6.7	-10.9	-11.8		
<b>Splitting Ratio (%)</b>		55.16%	44.84%		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has five (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

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<b>Customer:</b> Resonon, Inc.	<b>Date:</b> June 9, 2016
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> P.O. No. 636
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter Solarization Resistant Fiber	<b>Custom Part No.:</b> FOSC-UF-600SR-MM-0102 <b>Serial No.:</b> POSR16050234
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 0.516 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	-6.5	-9.5	-10.4		
<b>Splitting Ratio (%)</b>		55.16%	44.84%		

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Engineering/Production

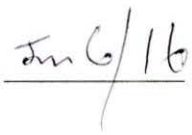



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**PRODUCT QA & SPECIFICATION SHEET**

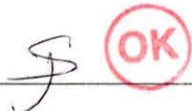
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<b>Customer:</b> <b>Resonon, Inc.</b>	<b>Date:</b> <b>June 9, 2016</b>
<b>Customer I.D.:</b> RES-0001	<b>Order/Project No:</b> <b>P.O. No. 636</b>
<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode Fiber Splitter <b>Solarization Resistant Fiber</b>	<b>Custom Part No.:</b> <b>FOSC-UF-600SR-MM-0102</b>
	<b>Serial No.:</b> <b>POSR16050235</b>
<b>Fiber:</b> Multimode 600 um core, Solarization Resistant fiber	<b>Termination:</b> FC connectors on Input and both Outputs
<b>Packaging:</b> Custom aluminum casing with black anodized finish <b>Custom Dimensions:</b> 0.9 in wide x 0.75 in high x 6 in long Two mounting holes provided on one side face	<b>Leads: Custom lead lengths</b> <b>Input lead length: 6 in (-0 in/ + 1 in)</b> <b>Two output lead lengths: 35 in (-1 in/+ 0 in).</b> In Specification  All leads sheathed in metal reinforced, PVC covered reinforcement.
<b>Environment:</b> Laboratory / Bench Top	
<b>Excess Loss: - 0.816 dB.</b>	

	<b>Input Power (dB)</b>	<b>Output 1 (dB)</b>	<b>Output 2 (dB)</b>		
	<b>-6.5</b>	<b>-9.9</b>	<b>-10.8</b>		
<b>Splitting Ratio (%)</b>		<b>55.16%</b>	<b>44.84%</b>		

**This is an excellent device with regard to both low loss and splitting ratio, as per quoted specifications. For measurement procedure and to verify genuine performance, please test this device by connecting the Splitter Input directly to your source, and connecting the Splitter Outputs directly to your detector(s). No other intermediary unions or junctions should be used. As per terms of Quotation and Sale, Buyer has three (5) working days from receipt of this custom device to report discrepancies or malfunctions in optical performance, after which no claim can be considered.**

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