# **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.

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

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

Excess Loss: - 1.516 dB.

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

\_\_\_\_ Date: <u>06.09.16</u> QA\_\_\_\_ \_Date: \_hr 9\_20\_16 FS Engineering/Production

# **PRODUCT QA & SPECIFICATION SHEET**

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Customer:	Date:	
Resonon, Inc.	June 9, 2016	
Customer I.D.:	Order/Project No:	10.000
RES-0001	P.O. No. 636	

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

Excess Loss: - 1.27 dB.

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

2016 Engineering/Production Date: 060916 QA FS Date: Ju

# **PRODUCT QA & SPECIFICATION SHEET**

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

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

Excess Loss: - 1.161 dB.

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

Date: 06 09 16 QA Engineering/Production Date: \_ FS

#### **PRODUCT QA & SPECIFICATION SHEET**

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

Product:	Custom Part No.:
Custom fabricated 1 x 2 Uni-fused Multimode	FOSC-UF-600SR-MM-0102
Fiber Splitter	Serial No.:
Solarization Resistant Fiber	POSR16050208
Fiber:	Termination:
Multimode 600 um core,	FC connectors on Input and both Outputs
Solarization Resistant fiber	
Packaging:	Leads: Custom lead lengths
Custom aluminum casing with black anodized	Input lead length: 6 in (-0 in/ + 1 in)
finish	Two output lead lengths: 35 in (-1 in/+ 0 in).
Custom Dimensions: 0.9 in wide x 0.75 in	In Specification
high x 6 in long	
Two mounting holes provided on one side face	All leads sheathed in metal reinforced, PVC covered reinforcement.
Environment:	
Laboratory / Bench Top	

Excess Loss: - 1.348dB.

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

2 FS Date: \_\_\_\_\_\_6//6 Date: 666916 QA Engineering/Production

# **PRODUCT QA & SPECIFICATION SHEET**

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

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

Excess Loss: - 0.916 dB.

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

Date: Jm 6/ 16 Date: 0669 6 QA FS Engineering/Production

# **PRODUCT QA & SPECIFICATION SHEET**

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

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

Excess Loss: - 0.8 dB.

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

Date: Jun 6/16 Date: 66 09 16 QA FS Engineering/Production

# **PRODUCT QA & SPECIFICATION SHEET**

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

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

Excess Loss: - 0.516 dB.

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

,2016 FS Engineering/Production Date: 06 09 16 QA Date: june

# **PRODUCT QA & SPECIFICATION SHEET**

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

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

Excess Loss: - 1.416 dB.

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

2 FS Date: jm9, 2016 Date: 06 09 16 QA Engineering/Production

### **PRODUCT QA & SPECIFICATION SHEET**

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

<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode	Custom Part No.: FOSC-UF-600SR-MM-0102
Fiber Splitter	Serial No.:
Solarization Resistant Fiber	POSR16050215
Fiber:	Termination:
Multimode 600 um core,	FC connectors on Input and both Outputs
Solarization Resistant fiber	<ul> <li>If the second second second second a reasonable second seco</li></ul>
Packaging:	Leads: Custom lead lengths
Custom aluminum casing with black anodized	Input lead length: 6 in (-0 in/ + 1 in)
finish	Two output lead lengths: 35 in (-1 in/+ 0 in).
Custom Dimensions: 0.9 in wide x 0.75 in	In Specification
high x 6 in long	1 / Mina Lina da Carra en la Article activitiente de la construction (201
Two mounting holes provided on one side face	All leads sheathed in metal reinforced, PVC
<b>C</b>	covered reinforcement.
Environment:	
Laboratory / Bench Top	

Excess Loss: - 1.461 dB.

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

\_\_\_\_ Date: <u>060916</u>\_\_\_ QA\_\_ Jun 9 2016 Engineering/Production F3 Date:

# **PRODUCT QA & SPECIFICATION SHEET**

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

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

Excess Loss: - 1.226 dB.

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

OK) \_\_\_\_ Date: <u>06 09 16</u> QA\_\_\_ \_\_\_\_\_ Date: \_\_\_\_\_ 9 2016 Engineering/Production

## **PRODUCT QA & SPECIFICATION SHEET**

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

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

Excess Loss: - 1.561 dB.

	Input Power	Output 1	Output 2	
	( <b>dB</b> )	(dB)	(dB)	
	-6.5	-10.6	-11.7	
Splitting Ratio (%)	le foi that i an an Staining	55.73%	44.27%	

Date: 06 09 16 QA ,2016 Engineering/Production Date: \_ FS

#### **PRODUCT QA & SPECIFICATION SHEET**

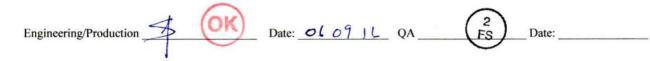
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Customer:	Date:	
Resonon, Inc.	June 9, 2016	
Customer I.D.:	Order/Project No:	
RES-0001	P.O. No. 636	

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

Excess Loss: - 1.461 dB.

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



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

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

Excess Loss: - 1.185 dB.

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

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.

Date: <u>660916</u> QA

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\_Date: Jone 9 2016

Engineering/Production

# **PRODUCT QA & SPECIFICATION SHEET**

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

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

Excess Loss: - 1.333 dB.

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

Date: 06 09 16 QA (2) Date: Jun 9, 2016 Engineering/Production

# **PRODUCT QA & SPECIFICATION SHEET**

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

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

Excess Loss: - 0. 461 dB.

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

FS Joll Engineering/Production Date: 06 09 16 QA Date: In y

### **PRODUCT QA & SPECIFICATION SHEET**

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

Product:	Custom Part No.:
Custom fabricated 1 x 2 Uni-fused Multimode	FOSC-UF-600SR-MM-0102
Fiber Splitter	Serial No.:
Solarization Resistant Fiber	POSR16050223
Fiber:	Termination:
Multimode 600 um core,	FC connectors on Input and both Outputs
Solarization Resistant fiber	
Packaging:	Leads: Custom lead lengths
Custom aluminum casing with black anodized	Input lead length: 6 in (-0 in/ + 1 in)
finish	Two output lead lengths: 35 in (-1 in/+ 0 in).
Custom Dimensions: 0.9 in wide x 0.75 in	In Specification
high x 6 in long	
Two mounting holes provided on one side face	All leads sheathed in metal reinforced, PVC
•	covered reinforcement.
Environment:	
Laboratory / Bench Top	

Excess Loss: - 0.571 dB.

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

 $\begin{pmatrix} 2 \\ FS \end{pmatrix}$ \_\_\_\_ Date: <u>06 09 16</u>\_\_\_ QA\_\_ Engineering/Production Date: 1 1, 2010

## **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.

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

Product:	Custom Part No.:
Custom fabricated 1 x 2 Uni-fused Multimode	FOSC-UF-600SR-MM-0102
Fiber Splitter	Serial No.:
Solarization Resistant Fiber	POSR16050224
Fiber:	Termination:
Multimode 600 um core,	FC connectors on Input and both Outputs
Solarization Resistant fiber	
Packaging:	Leads: Custom lead lengths
Custom aluminum casing with black anodized	Input lead length: 6 in (-0 in/+1 in)
finish	Two output lead lengths: 35 in (-1 in/+ 0 in).
Custom Dimensions: 0.9 in wide x 0.75 in	In Specification
high x 6 in long	
Two mounting holes provided on one side face	All leads sheathed in metal reinforced, PVC
0	covered reinforcement.
Environment:	
Laboratory / Bench Top	

Excess Loss: - 0.671 dB.

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

FS Date: 060916 QA \_Date: <u>Try . 6 [ ] 6</u> Engineering/Production

#### **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.

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

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

Excess Loss: - 0.216 dB.

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

FS \_\_\_\_\_ Date: <u>060916</u>\_\_\_QA\_\_ Engineering/Production Date: 1-09,2016

# **PRODUCT QA & SPECIFICATION SHEET**

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

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

Excess Loss: - 0.379 dB.

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

Date: 06 09 16 QA  $\begin{pmatrix} 2\\ FS \end{pmatrix}$ Date: 1 9, 2016 Engineering/Production

#### **PRODUCT QA & SPECIFICATION SHEET**

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

<b>Product:</b> Custom fabricated 1 x 2 Uni-fused Multimode	Custom Part No.: FOSC-UF-600SR-MM-0102
Fiber Splitter	Serial No.:
Solarization Resistant Fiber	POSR16050227
Fiber:	Termination:
Multimode 600 um core,	FC connectors on Input and both Outputs
Solarization Resistant fiber	no en l'antre de la seconda de la second
Packaging:	Leads: Custom lead lengths
Custom aluminum casing with black anodized	Input lead length: 6 in (-0 in/ + 1 in)
finish	Two output lead lengths: 35 in (-1 in/+ 0 in).
Custom Dimensions: 0.9 in wide x 0.75 in	In Specification
high x 6 in long	
Two mounting holes provided on one side face	All leads sheathed in metal reinforced, PVC
<b>C</b> 1	covered reinforcement.
Environment:	
Laboratory / Bench Top	

Excess Loss: - 0.316 dB.

	Input Power	Output 1	Output 2	
	(dB)	(dB)	(dB)	
	-6.2	-9.1	-10.0	
Splitting Ratio (%)		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 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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## **PRODUCT QA & SPECIFICATION SHEET**

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

Product:	Custom Part No.:
Custom fabricated 1 x 2 Uni-fused Multimode	FOSC-UF-600SR-MM-0102
Fiber Splitter	Serial No.:
Solarization Resistant Fiber	POSR16050228
Fiber:	Termination:
Multimode 600 um core,	FC connectors on Input and both Outputs
Solarization Resistant fiber	
Packaging:	Leads: Custom lead lengths
Custom aluminum casing with black anodized	Input lead length: 6 in (-0 in/ + 1 in)
finish	Two output lead lengths: 35 in (-1 in/+ 0 in).
Custom Dimensions: 0.9 in wide x 0.75 in	In Specification
high x 6 in long	
Two mounting holes provided on one side face	All leads sheathed in metal reinforced, PVC
	covered reinforcement.
Environment:	
Laboratory / Bench Top	

Excess Loss: - 0.971 dB.

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

\_ Date: 06 09 16 QA FS Date: 1/ 2016 Engineering/Production

# **PRODUCT QA & SPECIFICATION SHEET**

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

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

Excess Loss: - 0.316 dB.

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

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#### **PRODUCT QA & SPECIFICATION SHEET**

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

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

Excess Loss: - 0.771 dB.

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

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## **PRODUCT QA & SPECIFICATION SHEET**

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

Product:	Custom Part No.:
Custom fabricated 1 x 2 Uni-fused Multimode	FOSC-UF-600SR-MM-0102
Fiber Splitter	Serial No.:
Solarization Resistant Fiber	POSR16050231
Fiber:	Termination:
Multimode 600 um core,	FC connectors on Input and both Outputs
Solarization Resistant fiber	
Packaging:	Leads: Custom lead lengths
Custom aluminum casing with black anodized	Input lead length: 6 in (-0 in/ + 1 in)
finish	Two output lead lengths: 35 in (-1 in/+ 0 in)
Custom Dimensions: 0.9 in wide x 0.75 in	In Specification
high x 6 in long	1
Two mounting holes provided on one side face	All leads sheathed in metal reinforced, PVC
5	covered reinforcement.
Environment:	
Laboratory / Bench Top	

Excess Loss: - 0.679 dB.

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

OK FS Date: 060916 QA 2016 Jun 7 Engineering/Production Date: \_

### **PRODUCT QA & SPECIFICATION SHEET**

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

Product:	Custom Part No.:
Custom fabricated 1 x 2 Uni-fused Multimode	FOSC-UF-600SR-MM-0102
Fiber Splitter	Serial No.:
Solarization Resistant Fiber	POSR16050232
Fiber:	Termination:
Multimode 600 um core,	FC connectors on Input and both Outputs
Solarization Resistant fiber	
Packaging:	Leads: Custom lead lengths
Custom aluminum casing with black anodized	Input lead length: 6 in (-0 in/ + 1 in)
finish	Two output lead lengths: 35 in (-1 in/+ 0 in).
Custom Dimensions: 0.9 in wide x 0.75 in	In Specification
high x 6 in long	
Two mounting holes provided on one side face	All leads sheathed in metal reinforced, PVC covered reinforcement.
Environment:	
Laboratory / Bench Top	

Excess Loss: - 0. 405 dB.

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

# **PRODUCT QA & SPECIFICATION SHEET**

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

Product:	Custom Part No.:
Custom fabricated 1 x 2 Uni-fused Multimode	FOSC-UF-600SR-MM-0102
Fiber Splitter	Serial No.:
Solarization Resistant Fiber	POSR16050233
Fiber:	Termination:
Multimode 600 um core,	FC connectors on Input and both Outputs
Solarization Resistant fiber	
Packaging:	Leads: Custom lead lengths
Custom aluminum casing with black anodized	Input lead length: 6 in (-0 in/ + 1 in)
finish	Two output lead lengths: 35 in (-1 in/+ 0 in).
Custom Dimensions: 0.9 in wide x 0.75 in	In Specification
high x 6 in long	
Two mounting holes provided on one side face	All leads sheathed in metal reinforced, PVC
•	covered reinforcement.
Environment:	
Laboratory / Bench Top	

Excess Loss: - 1.616 dB.

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

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### **PRODUCT QA & SPECIFICATION SHEET**

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

Product:	Custom Part No.:
Custom fabricated 1 x 2 Uni-fused Multimode	FOSC-UF-600SR-MM-0102
Fiber Splitter	Serial No.:
Solarization Resistant Fiber	POSR16050234
Fiber:	Termination:
Multimode 600 um core,	FC connectors on Input and both Outputs
Solarization Resistant fiber	
Packaging:	Leads: Custom lead lengths
Custom aluminum casing with black anodized	Input lead length: 6 in (-0 in/ + 1 in)
finish	Two output lead lengths: 35 in (-1 in/+ 0 in).
Custom Dimensions: 0.9 in wide x 0.75 in	In Specification
high x 6 in long	-
Two mounting holes provided on one side face	All leads sheathed in metal reinforced, PVC
•	covered reinforcement.
Environment:	
Laboratory / Bench Top	

Excess Loss: - 0.516 dB.

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

 $\begin{pmatrix} 2 \\ FS \end{pmatrix}$ \_ Date: \_ Jm 6/16 Date: 06 09 16 QA Engineering/Production

#### **PRODUCT QA & SPECIFICATION SHEET**

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

Product:	Custom Part No.:
Custom fabricated 1 x 2 Uni-fused Multimode	FOSC-UF-600SR-MM-0102
Fiber Splitter	Serial No.:
Solarization Resistant Fiber	POSR16050235
Fiber:	Termination:
Multimode 600 um core,	FC connectors on Input and both Outputs
Solarization Resistant fiber	
Packaging:	Leads: Custom lead lengths
Custom aluminum casing with black anodized	Input lead length: 6 in (-0 in/ + 1 in)
finish	Two output lead lengths: 35 in (-1 in/+ 0 in).
Custom Dimensions: 0.9 in wide x 0.75 in	In Specification
high x 6 in long	
Two mounting holes provided on one side face	All leads sheathed in metal reinforced, PVC covered reinforcement.
Environment:	
Laboratory / Bench Top	

#### Excess Loss: - 0.816 dB.

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

2 FS Date: Jm 6/16 Date: <u>06 09 16</u> QA Engineering/Production