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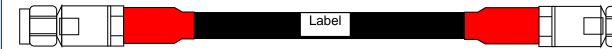
Technical Data Sheet

Rosenberger

Cable assembly

1.85mm(m) / 1.85mm(m) - APSK 0F 1.85mm(m) / 1.85mm(f) - APSK 0F

APSK-0F-XXXXX-AA **APSK-0F-XXXXX-A9**



All dimensions are in mm; tolerances:

 \leq 100: XXX ± 2.0; > 100 to \leq 1500: XXX ± 5.0; > 1500 to \leq 3000: XXX ± 10.0; > 3000: ± 1.5%

	le variants

Type	Max Insertion Loss	Marking	Weight (g) / pce
APSK-0F-XXXXX-AA 1.85M-M, - A9 = 1.85 M-F	$\leq (.57\sqrt{F} + .023F)L + .08\sqrt{F}$	ROSENBERGER YYWW APSK-0F-XXXXX-YY	0.84.7g/mm * L +21 g

 \overline{XXXXX} – length in mm = A, L in Meters

max Insertion Loss: Note:

Weight:

First Constant = Cable weight per mm; Second Constant = Connector left and Connector right per pce

Assembly parts

Connector, left 1.85mm(m) 08S121-2U5S3

Connector, right 1.85mm(m) 08S121-2U5S3 or 08K121-

2U5S3

Cable Cable Type APSK - 0F cable

Armor Description/construction Integral Armor, steel spiral with

black fabric cover

Strain Relief Color Red over black Heat shrink.

Electrical data

50 Ω **Impedance**

DC to 70 GHz Frequency **Delay Matching** PY: Not applicable LY: Not applicable

Intermodulation (3rd order @ 2 x 20 W) Not applicable

Return Loss¹ ≥ 12 dB, DC to 70 GHz ≥ 15 dB, DC to 50 GHz

Insertion Loss¹ see table above and below.

Mechanical data

Minimum bend radius:

Single 25.4 mm Multiple 35.4 mm Armor diameter Ø5.7 mm

Environmental data

www.rosenbergerna.com

-40°C to +125°C Temperature range N.A.

IP Rating

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
B.Cardwell		Name	XX/XX/XX	100	Preliminary	Name	XX/XX/XX
B.Cardwell Name XX/XX/XX Rosenberger North America P.O. Box 309 Akron, PA USA 17501		Tel. Fax	: +1.717.859.8900 : +1.717.859.7044		Page		

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¹ Return Loss and Insertion Loss includes the measurement adaptor

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Technical Data Sheet

Rosenberger

Cable assembly 1.85mm(m) / 1.85mm(m) - APSK 0F 1.85mm(m) / 1.85mm(f) - APSK 0F

APSK-0F-XXXXX-AA APSK-0F-XXXXX-A9

RoHS Compliant

Additional Electrical Specifications

Return Loss Stability(min) -30 dB Velocity of Propagation 85% Shielding effectiveness >90 dB @ 1 Ghz

Phase Stability

Parameter	1 Ghz	26.5 Ghz	50 Ghz	70 Ghz
Insertion Loss stability (max @ 25°C)	+/05 dB/m	3.5 dB/m	5.4 dB/m	6.3 dB/m
Phase stability, natural curl	+/- 1°	+/- 6°	+/- 9°	+/- 9°
Phase stability, reverse curl	+/- 1°	+/- 6°	+/- 9°	+/- 9°
Return Loss stability natural curl	>30 dB	>30 dB	>30 dB	>30 dB
Return Loss stability reverse curl	>30 dB	>30 dB	>30 dB	>30 dB

Packaging Information

Product shipped in a pink, anti-static bag, with label and S11, S12, S21 and S22 test results

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Tel.

Rosenberger North America P.O. Box 309 Akron, PA USA 17501

: +1.717.859.8900 Page : +1.717.859.7044

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