

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:
 ≤ 100 : $XXX \pm 2.0$; > 100 to ≤ 1500 : $XXX \pm 5.0$; > 1500 to ≤ 3000 : $XXX \pm 10.0$; > 3000 : $\pm 1.5\%$

Available 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	$0.84.7g/mm * L + 21 g$

XXXXX – length in mm = A, L in Meters
 WW – week YY – year

Note: max Insertion Loss:
 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

Impedance	50 Ω
Frequency	DC to 70 GHz
Delay Matching	PY: Not applicable LY: Not applicable
Intermodulation (3rd order @ 2 x 20 W)	Not applicable
Return Loss ¹	≥ 12 dB, DC to 70 GHz ≥ 15 dB, DC to 50 GHz
Insertion Loss ¹	see table above and below.

¹ Return Loss and Insertion Loss includes the measurement adaptor

Mechanical data

Minimum bend radius:	
Single	25.4 mm
Multiple	35.4 mm
Armor diameter	$\varnothing 5.7$ mm

Environmental data

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

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
B.Cardwell		Name	XX/XX/XX	100	Preliminary	Name	XX/XX/XX
Rosenberger North America P.O. Box 309 Akron, PA USA 17501 www.rosenbergerna.com				Tel. : +1.717.859.8900 Fax : +1.717.859.7044 Email : info@rosenbergerna.com			Page 1 / 2

PROPRIETARY AND CONFIDENTIAL
This data sheet is the property of Rosenberger North America. By acceptance of this document you agree that all the rights to drawings, specifications, processes and other data therein, as well as the proprietary and novel features of the subject matter, are reserved by Rosenberger North America and are disclosed in confidence. They are not to be manufactured, used, sold or disclosed to others, nor are devices embodying such features or information derived from these disclosures to be used or disclosed, unless and until expressly authorized by Rosenberger North America. These drawings, specifications, processes, etc., are and remain the property of Rosenberger North America, and are not to be copied or reproduced without permission.

QSR-730-04
RNA Datasheet Rev-
6/26/19

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.

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

Tel. : +1.717.859.8900
Fax : +1.717.859.7044
Email : info@rosenbergerna.com

Page
2 / 2

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Rosenberger:

[APSK-0F-00457-A9](#) [APSK-0F-00457-AA](#)