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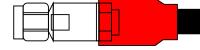
# **Technical Data Sheet**

# Rosenberger

Cable assembly 2.4 mm(m) / 2.4 mm(m) - APSK 0F 2.4 mm(m) / 2.4 mm(f) - APSK 0F

# APSK-0F-XXXXX-BB APSK-0F-XXXXX-BC

Nominal diameter over H.S. = 9.5 mm



Label

All dimensions are in mm: tolerances:

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

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Type	Max Insertion Loss	Marking	Weight (g) / pce
APSK-0F-XXXXX-BB 2.4 M-M, - BC = 2.4 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

max Insertion Loss: Note:

Weight:

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

### Assembly parts

Connector, left 2.4 mm(m) 09S121-271S3

Connector, right 2.4 mm(m) or 2.4mm(f) 09S121-271S3 or 09K121-

271S3

APSK - 0F cable Cable Cable Type Armor

Description/construction Integral Armor, steel spiral with

black fabric cover

Strain Relief Red over black Heat shrink. Color

### Electrical data

Impedance 50 Ω

DC to 50 GHz Frequency **Delay Matching** PY: Not applicable LY: Not applicable

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

Return Loss<sup>1</sup> ≥ 15 dB, >30 to 50 GHz

≥ 18 dB, DC to 30 GHz see table above.

### **Mechanical data**

Insertion Loss<sup>1</sup>

Minimum bend radius:

Single 25.4 mm Multiple 35.4 mm Armor diameter Ø5.7 mm Crush strength 43 N/mm

Diameter, nominal 5.77mm(.277 inches)

### **Environmental data**

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

Draft	Date	Approved	Date

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
B.Cardwell	4/14/2020	B.Cardwell	4/14/2020	100	20e000	B.Cardwell	4/14/2020

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<sup>&</sup>lt;sup>1</sup> Return Loss and Insertion Loss includes the measurement adaptor

# Technical Data Sheet

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APSK-0F-XXXXX-BB APSK-0F-XXXXX-BC

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	1
Phase stability, natural curl	+/- 1°	+/- 6°	+/- 9°	=
Phase stability, reverse curl	+/- 1°	+/- 6°	+/- 9°	ı
Return Loss stability natural curl	>30 dB	>30 dB	>30 dB	-
Return Loss stability reverse curl	>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

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