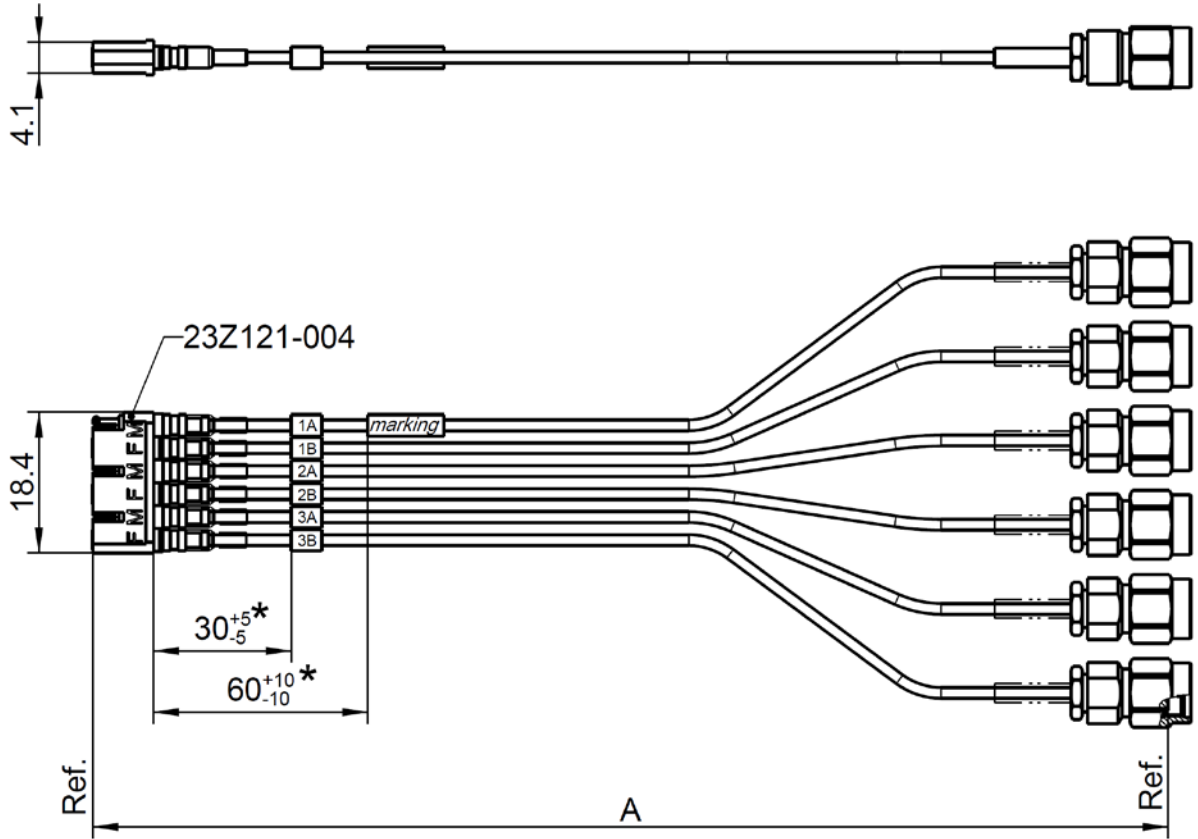


Technical Data Sheet

Rosenberger

Cable assembly
Mini Coax Plug/Jack - SMA Plug - RTK 047 Cable

L99-813-XXG



All dimensions are in mm; tolerances: $\pm 3\text{ mm}$ for $A \leq 300\text{ mm}$; $\pm 1\%$ for $A > 300\text{ mm}$
*differing for $A \leq 150\text{ mm}$

Available variants

Type	max. Insertion loss at 20 GHz	Marking	Weight (g) / pce
L99-813-XXG	$\leq 0.0050\text{ dB/mm} * A\text{ mm} + 0.60\text{ dB}$	ROSENBERGER YYYY-WW L99-813-XXG FAC-RRRRRRR ssss	$0.033\text{ g/mm} * A\text{ mm} + 32.5\text{ g}$

XX – length in cm
WW – week

G=6 Channel
YYYY – year

A=XX*10
ssss – serial no.

FAC – Factory Code

RRRRRRR – lot nr.

Note:

max. Insertion Loss:

First constant = Cable attenuation in dB /mm; Second Constant = Connector left and Connector right +needed Adaptor

Weight:

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

Technical Data Sheet				Rosenberger			
Cable assembly Mini Coax Plug/Jack - SMA Plug - RTK 047 Cable				L99-813-XXG			
Assembly parts							
Connector left		Mini Coax plug		23S103-270L3			
Connector left		Mini Coax jack		23K103-270L3			
Connector right		SMA plug		32S102-270L5			
Cable		RTK 047					
Housing		23Z121-004		(6 channel) Luranyl KR 2402 gray			
Electrical data							
Impedance		50 Ω					
Frequency		DC to 20 GHz					
Return loss ¹		≥ 16 dB, DC to 20 GHz					
Insertion loss ¹		see table available variants					
Phase matched by pairs		max. 2ps delay difference					
Individual testing: The S-Parameters (S11; S22; S21; S12) will be tested and the cable pairs are measured for phase matching							
¹ Return Loss and Insertion Loss includes the measurement adaptor							
Mechanical data							
Minimum bend radius:							
Single		5.1 mm					
Multiple		10.2 mm					
Environmental data							
Temperature range		-40°C to +115°C					
RoHS		compliant					
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.							
Draft		Date		Approved		Date	
Martin Moder		06.04.16		M. Scherbauer		13.04.16	
Rev.		Engineering change number		Name		Date	
a00		16-s131		K. Mitterer		13.04.16	
Rosenberger Hochfrequenztechnik GmbH & Co. KG P.O.Box 1260 D-84526 Tittmoning Germany www.rosenberger.de				Tel. : +49 8684 18-0 Email : info@rosenberger.de		Page 2 / 2	

Mouser Electronics

Authorized Distributor

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

[Rosenberger:](#)

[L99-813-30G](#)