Data Sheet

SUCOFLEX_Stock Assembly

Description
The SUCOFLEX 102_E high end cable assemblies are designed to provide optimal performance up to 40 GHz were stringent electrical requirements – in particular stability and low loss, are important.

Product description
PMASF102E/11SK/11SK/610mm
Item number
85067704

Product Configuration
Cable type
SUCOFLEX_102_E
Length of assembly
610 mm
Connector A
SK straight male
Connector B
SK straight male

Technical Data

Mechanical Data
Diameter:
4.0 mm
Min. bending radius static
12 mm
Min. bending radius repeated
20 mm
Recommended mating torque (*)
0.8…1.1 Nm

Environmental Data
Operating temperature
-40°C to +85°C
RoHS, REACH
Compliant

Electrical Data
Impedance
50 Ω
Operating frequency
up to 40 GHz
Velocity of propagation
77 %
Capacitance
87 pF / m
Time delay
4.3 ns / m

return Loss
min. 14.9 dB (up to 40 GHz)
Insertion loss (assembly)
max. 2.08 dB (40 GHz, 25°C)
Phase matched, absolute
± 1.0 ps
Power handling
min. 43 W (40 GHz, sea level, 25°C)
Insertion loss stability vs. bending (**)
+/- 0.2 dB (up to 40 GHz)
Phase stability vs. bending (**)
< 1.2” (el/GHz)

General Information
(*) H+S torque wrench
H+S description: 74.Z-0-0-21 // material/item number: 22543130
(**) Stability test
360°, diameter 40 mm

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS www.hubersuhner.com

Waiver: It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical specifications and/or the fitness for any particular purpose. The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general information purposes only.

Document: DOC-xxxxxxx
date of publication: 28.07.2016
uncontrolled copy Page 1/1