

eP7003R-LL.L eP-Flexible Test

Test Grade

SMA Male Straight-SMA Male Straight



Summary

evissaP Test Grade cable assemblies offer excellent value. Each cable assembly has highly competitive RF Performance and robust mechanical construction. SMA connector bodies and SMA male contacts are solder attached to a high performance low loss cable having shielding effectiveness < -90 dB. The connector-to-cable attachment is further fortified by applying 3 layers ("triple boot") of a high temperature heat shrink. This construction results in a high connector to cable retention that routinely passes >45 lbs pull tests. With confidence, you can use the eP7003R-LL.L from -55C to +105C. Construction using lead free solder is standard. Use of lead based solder is offered and can be ordered by specifying eP7003S-LL.L

Overview

- Impedance 50 ohms
- Frequency Range DC to 18 GHz
- Cable Flexible; FEP Jacketed
- Nominal Cable O.D. 0.195" nominal
- SMA Male Straight Passivated Stainless Steel
Au plated BeCu center contact
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Features

- VSWR $\leq 1.35:1$ to 18 GHz
- All solder construction
- Excellent connector to cable retention
- Triple boot high temperature strain relief
- RoHS compliant per evissaP RoHS statement
- 100% RF, continuity and hi-pot tested
- Cost-effective, manufactured in US wholly owned ISO9001:2000 facility in China

eP-Flexible Cable Assembly

Unit price, typical delivery and +25° C performance to 18 GHz for popular cable lengths.

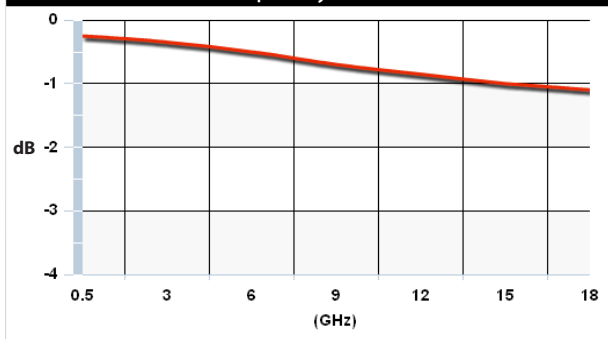
Part Number	Popular Length inches	S11/S22 to 18 GHz (:1) Maximum	S21/S12 to 18 GHz (dB) Typical	Typical Delivery	Quantity		
					2 to 4 pcs	5 to 9 pcs	10 pcs
eP7003R-24.0	24.0	1.35	1.260	3 weeks or sooner	\$129	\$119	\$89
eP7003R-30.0	30.0	1.35	1.500	3 weeks or sooner	\$135	\$115	\$95
eP7003R-36.0	36.0	1.35	1.740	Stock	\$139	\$119	\$99
eP7003R-48.0	48.0	1.35	2.220	3 weeks or sooner	\$149	\$129	\$109

Typical Maximum Insertion Loss (dB) at +25° C will be 0.3 dB + 0.04 x length (in inches).

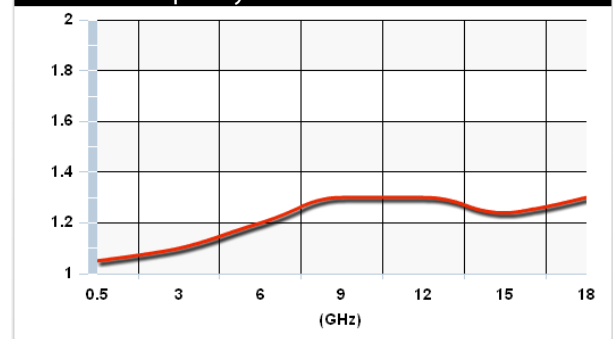
Prices are unit prices (price each) and in US dollars. Custom requirements welcome.

Typical performance @ +25° C

Insertion Loss vs. Frequency - eP7003R-36.0

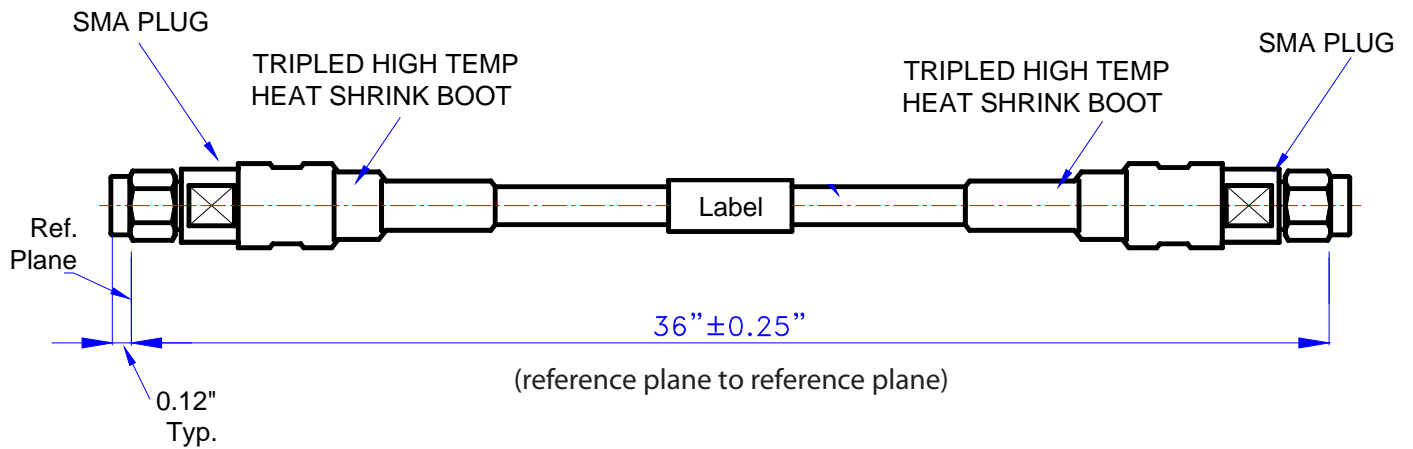


VSWR vs. Frequency - eP7003R-36.0





Outline Drawing



Standard Length Tolerances

L (inches)	Tolerance (inches)
24	+/- 0.313
30	+/- 0.313
36	+/- 0.375
48	+/- 0.500

evissaP Standards

- Label will have evissaP P/N and Date Code.
- Shipment will include evissaP's standard C of C.
- evissaP warranty applies.
- FOB is evissaP's San Jose, CA facility.