

Partnumber:
Description:
Versionnumber document:
Date:

LB-S1-A2-X-C
SC loopback SM with case
1.0 Hans Tovar
7th November 2017

Product description:

Loopback assemblies are used for testing application or network restoration. It tests the transmission capability and sensitivity of the receiver in network equipment by looping the signal from the transmitter back to the receiver i.e. a feedback signal. The loopback assemblies can be used in transceivers like SFF and SFP which are used in numerous applications.



Key Benefits:

- Conform to IEC, EIA-TIA, and Telcordia performance requirements
- Available in singlemode and multimode fiber types
- Available in ABS plastic hard case and jacketed cable options
- LC, LCA, SC, SCA connector options
- RoHS, REACH & SvHC compliant
- Testing high speed devices and routers
- Gigabit Ethernet testing
- Fibre Channel testing
- Device burn-in

Technical data:

CONNECTOR SPECIFICATION

Parameters	Units		Parameters	Units	PC	APC
Insertion loss – Standard	dB	Typ-0.25/ Max ≤ 0.3	ROC -2.5mm	mm	5-30	5-12
Return loss SM (PC/APC)	dB	≥ 55/65	ROC -1.25mm	mm	5-30	5-12
Insertion loss – Premium	dB	Typ-0.12/ Max ≤ 0.15	Apex offset	µm	0-70	0-70
Return loss (PC/APC)	dB	≥ 55/65	Fiber height	nm	-100 - a	-100 - a
			APC angle	degree	-	7.7-8.3

ASSEMBLY PERFORMANCE

Mechanical Properties	Criteria	Effect	Standard
Mechanical endurance	>500 mating	<0.2 dB change	IEC 61300-2-2
Vibration	10-55 Hz, 0.75 amplitude	<0.2 dB change	IEC 61300-2-1
Drop	Drop height 1m, 5 drops	<0.2 dB change	IEC 61300-2-12
Cable retention	Magnitude 90 N	<0.2 dB change	IEC 61300-2-4
Operating Temperature	-20 to 70 °C	<0.2 dB change	IEC 61300-2-22

Ordering information:

1	CONNECTOR	2	FIBER	3	JACKET COLOR	4	TYPE**
S1	SC	O1	OM1	Y	YELLOW	B	BARE
S2	SCA	O4	OM4	O	ORANGE	C	CASE
L1	LC	A2	G657A2	V	ERICA VIOLET		
L2	LCA			X	CASE		

** Bare types are 2mm jacketed loopbacks. Case types are ABS plastic casing in black.

Partnumber:
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LB-L1-A2-X-C
LC loopback SM with case
1.0 Hans Tovar
7th November 2017

Product description:

Loopback assemblies are used for testing application or network restoration. It tests the transmission capability and sensitivity of the receiver in network equipment by looping the signal from the transmitter back to the receiver i.e. a feedback signal. The loopback assemblies can be used in transceivers like SFF and SFP which are used in numerous applications.



Key Benefits:

- Conform to IEC, EIA-TIA, and Telcordia performance requirements
- Available in singlemode and multimode fiber types
- Available in ABS plastic hard case and jacketed cable options
- LC, LCA, SC, SCA connector options
- RoHS, REACH & SvHC compliant
- Testing high speed devices and routers
- Gigabit Ethernet testing
- Fibre Channel testing
- Device burn-in

Technical data:

CONNECTOR SPECIFICATION

Parameters	Units		Parameters	Units	PC	APC
Insertion loss – Standard	dB	Typ-0.25/ Max ≤ 0.3	ROC -2.5mm	mm	5-30	5-12
Return loss SM (PC/APC)	dB	≥ 55/65	ROC -1.25mm	mm	5-30	5-12
Insertion loss – Premium	dB	Typ-0.12/ Max ≤ 0.15	Apex offset	µm	0-70	0-70
Return loss (PC/APC)	dB	≥ 55/65	Fiber height	nm	-100 - a	-100 - a
			APC angle	degree	-	7.7-8.3

ASSEMBLY PERFORMANCE

Mechanical Properties	Criteria	Effect	Standard
Mechanical endurance	>500 mating	<0.2 dB change	IEC 61300-2-2
Vibration	10-55 Hz, 0.75 amplitude	<0.2 dB change	IEC 61300-2-1
Drop	Drop height 1m, 5 drops	<0.2 dB change	IEC 61300-2-12
Cable retention	Magnitude 90 N	<0.2 dB change	IEC 61300-2-4
Operating Temperature	-20 to 70 °C	<0.2 dB change	IEC 61300-2-22

Ordering information:

1	CONNECTOR	2	FIBER	3	JACKET COLOR	4	TYPE**
S1	SC	O1	OM1	Y	YELLOW	B	BARE
S2	SCA	O4	OM4	O	ORANGE	C	CASE
L1	LC	A2	G657A2	V	ERICA VIOLET		
L2	LCA			X	CASE		

** Bare types are 2mm jacketed loopbacks. Case types are ABS plastic casing in black.