

MLOC-A-F1XMHMW-M45



HELIAX® M-LOC Multiport cluster 5 ports SureFlex® cable assembly with interface type M-LOC latching male to 4.3-10 male with HELIAX® SureGuard weatherproofing, with AISG converter in the center port, size 1 /4", length 0.45 meters

Product Classification

Product Type	HELIAX® MLOC cluster, SureFlex® D-CLASS, dynamic PIM
Product Brand	HELIAX® SureFlex®
Product Series	MLOC

General Specifications

Attachment, Connector A	Factory attached
Attachment, Connector B	Factory attached
Body Style, Connector A	Straight
Body Style, Connector B	Straight
Interface, Connector A	M-LOC Male
Interface, Connector B	4.3-10 Male
Specification Sheet Revision Level	A

Dimensions

Length	0.45 m 1.476 ft
Nominal Size	1/4 in

Port Configuration

HOUSING PORT NUMBER	PORT LABEL TEXT			
	STANDARD	"C"	"E"	"N"
1	R+	CR+	H	ANT 8
2	CR-	CL+	E	ANT 3
3	CR+	L+	G	ANT 7
4	R-	R+	F	ANT 4
CENTER	CAL	CAL	CAL	BF

Electrical Specifications

3rd Order IMD Dynamic	-119 dBm
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3rd Order IMD Dynamic Test Method

Two +43 dBm carriers per IEC 62037

VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)	Gated VSWR	Gated Return Loss (dB)	Insertion Loss, typical (dB)
1000–3000 MHz	1.135	23.98	1.07	30	0.34
3000–4200 MHz	1.222	20.01	1.11	26	0.4
4200–5000 MHz	1.25	19.08	1.12	25	0.44

Mechanical Specifications

Minimum Bend Radius, multiple Bends	25.4 mm 1 in
Minimum Bend Radius, single Bend	25.4 mm 1 in

Environmental Specifications

Installation temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Storage Temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Immersion Test Method	Meets IEC 60529:2001, IP68 in mated condition
Weatherproofing Method	HELIAX® SureGuard weatherproofing boot