

Adaptors

These low PIM adaptors have been specially developed for IBC/DAS/small cell grade applications where passive intermodulation requirements are crucial.



Intermodulation adaptors, 50 Ω

Interface 1	Interface 2	PIM (dBc) ¹⁾	HUBER+SUHNER type	Item no.
7/16 male	NEX10 female	≤ -166 **	33_716-NEX10-50-1/133_WE	85092476
NEX10 male	7/16 female	≤ -166 **	33_NEX10-716-50-X1/133_WE	85092478
4.3-10 male	7/16 male	≤ -155 *	32_4310-716-50-X2/133_WE	85031321
4.3-10 male	7/16 female	≤ -155 *	33_4310-716-50-X2/133_WE	85031408
7/16 male	4.3-10 female	≤ -155 *	33_716-4310-50-2/133_WE	85031552
7/16 female	7/16 female	≤ -155 *	31_716-50-0-5/133_WE	85031221
7/16 male	7/16 male	≤ -155 *	32_716-50-0-5/133_WE	85031354
7/16 male	7/16 female	≤ -155 *	33_716-50-0-5/133_WE	85031578
N female	7/16 female	≤ -155 *	31_N-716-50-4/133_WE	85031263
N male	7/16 male	≤ -155 *	32_N-716-50-5/133_WE	85026230
7/16 male	N female	≤ -155 *	33_716-N-50-9/133_WE	85026231
N male	7/16 female	≤ -155 *	33_N-716-50-5/133_WE	85031611

¹⁾ Two-tone test at 2 x 43 dBm / 2 x 20 W carrier

* typ. -160 dBc

** typ. -171 dBc

Low passive intermodulation adaptors

These low PIM adaptors have been specially developed for T+M grade applications in intermodulation test set-ups in the field where passive intermodulation requirements are crucial.

Features

- Outstanding intermodulation performance
- Non magnetic materials
- Excellent electrical contacts
- Reliable and repeatable intermodulation measurements



Intermodulation adaptors, 50 Ω

Interface 1	Interface 2	PIM (dBc) ¹⁾	Frequency (GHz)	HUBER+SUHNER type	Item no.
7/16 female	7/16 female	≤ -165	2.7	31_716-50-0-2/133_WE	22658136
7/16 male	7/16 male	≤ -165		32_716-50-0-2/133_WE	22658141
7/16 male	7/16 female	≤ -165		33_716-50-0-2/133_WE	22658193
7/16 female	N female	≤ -165	2.7	31_N-716-50-2/133_WE	22658137
7/16 male	N male	≤ -165		32_N-716-50-2/133_WE	22658140
7/16 male	N female	≤ -165		33_716-N-50-3/133_WE	22658823
7/16 female	N male	≤ -165		33_N-716-50-3/133_WE	22658217
7/16 female	QN female	≤ -155	2.7	31_QN-716-50-1/113_WE	23033269
7/16 male	QN male	≤ -155		32_QN-716-50-1/113_WE	23033643
7/16 male	QN female	≤ -155		33_716-QN-50-1/113_WE	23033644
7/16 female	QN male	≤ -155		33_QN-716-50-1/113_WE	23033550
7/16 female	4.1/9.5 female	≤ -165	2.7	31_4195-716-50-1/113_WE	22658138
7/16 male	4.3-10 male	≤ -166	2.7	32_4310-716-50-x1/113_WE	85017233
7/16 female	4.3-10 female	≤ -166		33_4310-716-50-x1/113_WE	85017237
7/16 male	4.3-10 female	≤ -166		33_716-4310-50-x1/113_WE	85017213

¹⁾ Two-tone test at 2 x 43 dBm / 2 x 20 W carrier

Detailed product specifications and outline drawings are available on request or on our website hubersuhner.com.

Passive intermodulation standards

Intermodulation standards are special adaptors which generates intermodulation products of a certain preset level. They are used to verify intermodulation test benches for an instant and/or long-term level stability monitoring. If the third-order intermodulation value, displayed by the test instrument, deviates from the specified value of the intermod standard, it indicates a general measurement uncertainty which may be caused by the test setup routing in one or several component or interconnection PIM sources.

Features

- High repeatability
- Each item delivered with measurement protocol
- Verification traceability via serial number



7/16, 50 Ω, connector configuration male to female

Frequency band MHz	PIM (dBc) ¹⁾ 3rd order intermodulation ²⁾	HUBER+SUHNER type	Item no.
900	-80	69_716-50-0-1/133_WE	22658219
900	-110	69_716-50-0-3/133_WE	22658221
1800	-80	69_716-50-0-5/133_WE	23003870
1800	-110	69_716-50-0-7/133_WE	23003872

¹⁾ Two-tone test at 2 x 43 dBm / 2 x 20 W carrier

²⁾ IM3 ± 3 dB