



BMCD80 6CHANNELS S-BAND DOWNCON



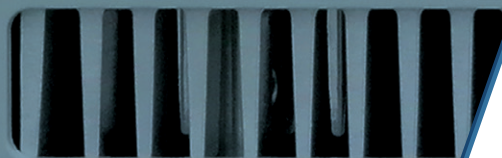
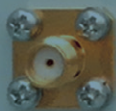
SETTINGS 1: FREQ=2250.000MHz

FREQUENCY CONVERTER CATALOGUE

LO1 MON



LO2 MON



BHE BONN HUNGARY ELECTRONICS LTD.

WWW.BHE-MW.EU

TRACKING DOWNCONVERTERS

MODEL	FREQUENCY CONVERSION	NUMBER OF CHANNELS	RF INPUT FREQUENCY [MHz]	RF STEP SIZE [kHz]	IF OUTPUT FREQUENCY [MHz]	SSB PHN @10kHz (dBc/Hz)	REMOTE CONTROL INTERFACE	STANDARD ENCLOSURE
BMCD35	S-band to 70MHz	3	2200-2300	1	70±20	-100	TCP/IP	19", 2U rack mountable
BMCD80	S-band to 70MHz	6	2200-2300	1	70±20	-100	TCP/IP	19", 3U rack mountable
BMCD126	S-band to 70MHz	2	2200-2300	1	70±10	-100	TCP/IP	19", 2U rack mountable
BMCD142	S-band to 70MHz	3	2200-2300	1	70±15	-100	TCP/IP, RS-232, RS-422	IP67 outdoor cabinet
BMCD143	C-band to 70MHz	3	3400-4200	1	70±15	-100	TCP/IP, RS-232, RS-422	19", 2U rack mountable
BMCD144	C-band to 70MHz	3	3400-4200	1	70±15	-100	TCP/IP, RS-232, RS-422	IP67 outdoor cabinet
BMCD54	C-band to 70MHz	3	3625-4200	1	70±15	-100	TCP/IP, RS-422	19", 2U rack mountable
BMCD60	C-band to 70MHz	3	3625-4200	1	70±20	-92	TCP/IP	19", 2U rack mountable
BMCD145	C-band to 70MHz	3	4500-4800	1	70±15	-100	TCP/IP, RS-232, RS-422	19", 2U rack mountable
BMCD146	C-band to 70MHz	3	4500-4800	1	70±15	-100	TCP/IP, RS-232, RS-422	IP67 outdoor cabinet
BMCD147	X-band to 70MHz	3	7250-7750	1	70±15	-95	TCP/IP, RS-232, RS-422	19", 2U rack mountable
BMCD148	X-band to 70MHz	3	7250-7750	1	70±15	-95	TCP/IP, RS-232, RS-422	IP67 outdoor cabinet
BMCD149	X-band to 70MHz	3	7900-8500	1	70±15	-95	TCP/IP, RS-232, RS-422	19", 2U rack mountable
BMCD150	X-band to 70MHz	3	7900-8500	1	70±15	-95	TCP/IP, RS-232, RS-422	IP67 outdoor cabinet
BMCD76	X-band to 70MHz	3	8025-8500	1	70±25	-97	TCP/IP	19", 2U rack mountable
BMCD52	X-band to 70MHz	2	8400-8500	1	70±25	-98	TCP/IP	19", 1U rack mountable
BMCD151	Ku-band to 70MHz	3	10700-12750	1	70±15	-92	TCP/IP, RS-232, RS-422	19", 2U rack mountable
BMCD152	Ku-band to 70MHz	3	10700-12750	1	70±15	-92	TCP/IP, RS-232, RS-422	IP67 outdoor cabinet
BMCD31	Ku-band to 70MHz	3	10950-12750	1	70±18	-83	RS-485	19", 1U rack mountable
BMCD153	Ka-band to 70MHz	3	17700-21200	1	70±15	-88	TCP/IP, RS-232, RS-422	19", 2U rack mountable
BMCD154	Ka-band to 70MHz	3	17700-21200	1	70±15	-88	TCP/IP, RS-232, RS-422	IP67 outdoor cabinet

MODEL	FREQUENCY CONVERSION	NUMBER OF CHANNELS	RF INPUT FREQUENCY [MHz]	RF STEP SIZE [kHz]	IF OUTPUT FREQUENCY [MHz]	SSB PHN @10kHz (dBc/Hz)	REMOTE CONTROL INTERFACE	STANDARD ENCLOSURE
BMCD155	Ka-band to 70MHz	3	25500-27000	1	70±15	-86	TCP/IP, RS-232, RS-422	19", 2U rack mountable
BMCD156	Ka-band to 70MHz	3	25500-27000	1	70±15	-86	TCP/IP, RS-232, RS-422	IP67 outdoor cabinet
BMCD157	Q-band to 70MHz	3	37500-42500	1	70±15	-84	TCP/IP, RS-232, RS-422	19", 2U rack mountable
BMCD158	Q-band to 70MHz	3	37500-42500	1	70±15	-84	TCP/IP, RS-232, RS-422	IP67 outdoor cabinet

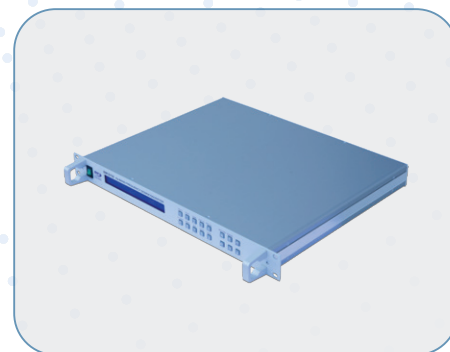


REDUNDANT SYSTEMS

MODEL	FREQUENCY CONVERSION	TYPE OF REDUNDANCY	RF FREQUENCY [MHz]	RF STEP SIZE [kHz]	IF FREQUENCY [MHz]	REMOTE CONTROL INTERFACE	CONTROL UNIT	CONVERTER UNIT
BMCR10-D2	S-band to 70MHz	1:2	2000-2400	1	70±20	TCP/IP	BUSR10	BMCD48
BMCR12-U2	S-band from 70MHz	1:2	2000-2400	1	70±20	TCP/IP	BUSR10	BMCD32
BMCR11-D2	X-band to 720MHz	1:2	8000-8500	1	720±200	TCP/IP	BUSR11	BMCD49

COMMUNICATION DOWNCONVERTERS

MODEL	FREQUENCY CONVERSION	NUMBER OF CHANNELS	RF INPUT FREQUENCY [MHz]	RF STEP SIZE [kHz]	IF OUTPUT FREQUENCY [MHz]	SSB PHN @10kHz (dBc/Hz)	REMOTE CONTROL INTERFACE	STANDARD ENCLOSURE
BMCD135	L-band from 70MHz	1	950-2150	1	70±20	-100	TCP/IP, RS-232, RS-422	19", 1U rack mountable
BMCD33	S-band to 70MHz	1	2200-2300	1	70±1	-100	RS-232	19", 1U rack mountable
BMCD63	S-band to 70MHz	1	2200-2300	1	70±20	-100	TCP/IP, RS-232	19", 1U rack mountable
BMCD48	S-band to 70MHz	1	2000-2400	1	70±20	-98	TCP/IP, RS-232	19", 1U rack mountable
BMCD127	X-band to 720MHz	1	7700-8500	100	720±200	-98	TCP/IP	19", 1U rack mountable
BMCD89	X-band to 720MHz	2	8000-8400	100	720±250	-100	TCP/IP	19", 1U rack mountable
BMCD49	X-band to 720MHz	1	8000-8500	1	720±200	-98	TCP/IP, RS-232	19", 1U rack mountable
BMCD66	X-band to 720MHz	1	8000-9000	1	720±200	-98	TCP/IP, RS-232	19", 1U rack mountable
BMCD32	X-band to 720MHz	2	8025-8400	100	720±300	-89	TCP/IP	19", 1U rack mountable
BMCD45	Ku-band to 720MHz/70MHz	1	10800-12800	1	720±100 70±20	-85	TCP/IP	19", 1U rack mountable
BMCD59	Ku-band to 70MHz	1	10950-11700	1	70±20	-84	RS-422	19", 1U rack mountable
BMCD37	Ku-band to 70MHz	1	10950-12750	100	70±18	-88	TCP/IP, RS-485	19", 1U rack mountable
BMCD99	Ka-band to 2940MHz	2	17500-20000	External LO required	2940±10	-	RS-422	module
BMCD122	Ka-band to 70MHz	1	25000-28000	1	70±6	-93	TCP/IP	19", 1U rack mountable
BMCD39	Ka-band to 2940MHz	3	34500-35500	External LO required	2940±10	-	RS-422	module



COMMUNICATION UPCONVERTERS

MODEL	FREQUENCY CONVERSION	NUMBER OF CHANNELS	RF OUTPUT FREQUENCY [MHz]	RF STEP SIZE [kHz]	IF INPUT FREQUENCY [MHz]	SSB PHN @10kHz (dBc/Hz)	REMOTE CONTROL INTERFACE	STANDARD ENCLOSURE
BMCU87	L-band from 70MHz	1	950-2150	1	70±20	-100	TCP/IP, RS-232, RS-422	19", 1U rack mountable
BMCU21	S-band from 70MHz	1	2200-2300	1	70±5	-100	TCP/IP	19", 1U rack mountable
BMCU32	S-band from 70MHz	1	2000-2400	1	70±20	-102	TCP/IP, RS-232	19", 1U rack mountable
BMCU44	S-band from 230MHz	1	2020-2120	1	230±30	-103	TCP/IP, RS-232	19", 1U rack mountable
BMCU20	S-band from 70MHz	1	2025-2120	1	70±4	-101	TCP/IP	19", 1U rack mountable
BMCU68	S-band from 230MHz	1	2025-2120	1	230±4	-98	TCP/IP	19", 1U rack mountable
BMCU66	C-band from 70MHz	1	5850-6425	1	70±18	-100	TCP/IP, RS-232	19", 1U rack mountable
BMCU96	C-band from 70MHz	1	5850-6450	1	70±18	-93	TCP/IP, RS-232, RS-422	19", 1U rack mountable
BMCU64	C-band from 70MHz	1	5850-6725	1	70±15	-100	TCP/IP, RS-232, RS-485	19", 1U rack mountable
BMCU33	X-band from 230MHz	1	7145-7235	1	230±10	-101	TCP/IP	19", 1U rack mountable
BMCU34	X-band from 70MHz	1	7145-7235	1	70±10	-101	TCP/IP	19", 1U rack mountable
BMCU76	X-band from 720MHz	1	7700-8500	100	720±200	-98	TCP/IP	19", 1U rack mountable
BMCU12	X-band from 720MHz	1	7950-8550	500	720±300	-85	TCP/IP	19", 1U rack mountable
BMCU31	X-band from 720MHz	1	8000-8500	100	720±120	-88	TCP/IP	19", 1U rack mountable
BMCU25	Ku-band from 70MHz	1	13750-14500	1	70±18	-91	TCP/IP, RS-485	19", 1U rack mountable
BMCU79	Ka-band from 70MHz	1	22000-25000	1	70±6	-94	TCP/IP	19", 1U rack mountable



BLOCK DOWNCONVERTERS

MODEL	FREQUENCY CONVERSION	RF INPUT FREQUENCY [MHz]	LO FREQUENCY [MHz]	IF OUTPUT FREQUENCY [MHz]	SSB PHN @10kHz (dBc/Hz)	REMOTE CONTROL INTERFACE	STANDARD ENCLOSURE
BMCD104	Ku-band to L-band	10700-11750	9750	950-2000	-87	-	IP67 outdoor module
BMCD27	Ku-band to L-band	10700-12750 (3 subbands)	9750/10350/11050	950-1700	-90	TCP/IP	19", 1U rack mountable
BMCD34	Ku-band to L-band	10700-12750 (2 subbands)	9750/10750	950-2000	-80	DC voltage	IP67 outdoor module
BMCD105	Ku-band to L-band	11700-12750	10750	950-2000	-87	-	IP67 outdoor module
BMCD163	Ku-band to L-band	11700-12750	10750	950-2000	-93	TCP/IP, RS-422	IP67 outdoor module
BMCD160	Ka-band to L-band	17700-21200 (4 subbands)	16750/17250/18250/19250	950-1950	-85	DC voltage	IP67 outdoor module



BLOCK UPCONVERTERS

MODEL	FREQUENCY CONVERSION	RF OUTPUT FREQUENCY [MHz]	LO FREQUENCY [MHz]	IF INPUT FREQUENCY [MHz]	SSB PHN @10kHz (dBc/Hz)	REMOTE CONTROL INTERFACE	STANDARD ENCLOSURE
BMCU67	X-band from L-band	7900-8400	6950	950-1450	-106	TCP/IP, RS-422	IP67 outdoor module
BMCU55	Ku-band from L-band	13750-14500	12800	950-1700	-85	RS-232	IP67 outdoor module
BMCU95	Ku-band from L-band	14600-14800	13650	950-1150	-93	TCP/IP, RS-422	module
BMCU15	Ka-band from L-band	25750-26250	24800	950-1450	-86	TCP/IP	module



TEST LOOP TRANSLATORS

MODEL	FREQUENCY CONVERSION	RF INPUT FREQUENCY [MHz]	RF STEP SIZE [kHz]	RF OUTPUT FREQUENCY [MHz]	SSB PHN @10kHz (dBc/Hz)	REMOTE CONTROL INTERFACE	STANDARD ENCLOSURE
BMCU23	S-band to S-band	2025-2120	1	2200-2300	-117	TCP/IP, RS-485	IP67 outdoor module
BMCU29	S-band to S-band	2025-2120	1	2200-2300	-118	TCP/IP, RS-485	19", 1U rack mountable
BMCU51	S-band to S-band	2025-2120	1	2200-2300	-120	TCP/IP	IP67 outdoor module
BMCD41	C-band to C-band	5850-6425	1	3625-4200	-102	RS-422	19"/3, 1U rack mountable
BMCD57	C-band to C-band	5850-6425	1	3625-4200	-100	RS-422	IP67 outdoor module
BMCD36	C-band to C-band	5850-6450	1	3625-4200	-100	RS-422	IP67 outdoor module
BMCD100	C-band to C-band	5850-6450	1	3625-4225	-100	TCP/IP, RS-422	IP67 outdoor module
BMCD43	C-band to C-band	6712,5±15	Fixed LO	3412,5±15	-95	TCP/IP	IP67 outdoor module
BMCU52	X-band to X-band	7145-7235	1	8400-8500	-100	TCP/IP	IP67 outdoor module
BMCD101	Ku-band to Ku-band	12750-14500	Fixed LO	10700-12200 (3 subbands)	-95	TCP/IP, RS-422	IP67 outdoor
BMCD125	Ku-band to Ku-band	12750-14500	Fixed LO	10700-12200 (3 subbands)	-95	TCP/IP, RS-422	IP67 outdoor
BMCD68	Ku-band to Ku-band	13750-14500	Fixed LO	10700-12750 (4 subbands)	-95	TCP/IP, RS-232	19", 1U rack mountable
BMCD102	Ka-band to Ku-band	17300-18100	Fixed LO	10700-12500 (2 subbands)	-85	TCP/IP, RS-422	IP67 outdoor



Facility Security
Clearance
since 2020

These certificates refer to BHE's quality management systems. All our products are manufactured according to ISO 9001. Other, sector-specific management systems are only used in case of the customer's explicit request.

FREQUENCY CONVERTER CATALOGUE

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