

INPUT SPECIFICATION		
1.	Frequency range:	Check model table
2.	Connector:	Indoor: SMA Outdoor: N-type
3.	Impedance:	50Ω
4.	Return loss:	≥18dB
OUTPUT SPECIFICATION		
5.	Frequency range:	Check model table
6.	Connector:	Indoor: SMA Outdoor: N-type
7.	Impedance:	50Ω
8.	Return loss:	≥15dB typical
9.	1dB compression point:	+10dBm (typ. +15dBm)
TRANSFER CHARACTERISTICS		
10.	Gain:	Single Band: 26dB (±2dB) minimum, fixed Dual Band: 23dB (±2dB) minimum, fixed Option S: 10 to 30dB adjustable via remote interface
11.	Gain ripple:	over any 40MHz transponder: ≤0.5 p.t.p. over input band: ≤1.5dB p.t.p.
12.	External reference:	10MHz, 0dBm nominal
13.	Local Oscillator:	check model table
14.	Noise figure:	<16dB for single band and <20dB for dual band
Spurii		
15.	Image rejection:	>60dB
16.	In-band spurii (at 0dBm output):	<-60dBm
PHASE NOISE		IESS308/309 mask
17.	10Hz:	<-45dBc/Hz
18.	100Hz:	<-70dBc/Hz
19.	1kHz:	<-85dBc/Hz
20.	10kHz:	<-105dBc/Hz
21.	100kHz:	<-105dBc/Hz
22.	1MHz:	<-110dBc/Hz
23.	Mains related:	<-50dBc/Hz
MISCELLANEOUS		
24.	Power supply:	Indoor: 115V/230V ±10%, 50/60Hz ±10%, 20VA Outdoor: +17V to +24V DC, 500mA, via L-band output
25.	Mechanical:	Indoor: 1U 19" frame Outdoor: IP67 Metal box
26.	Temperature:	Operating: -20° to +50°C Storage: -50° to +70°C
27.	Summary alarm:	NO and NC dry relay contacts Indoor: via rear mounted connector Outdoor: via L-band output
28.	Summary alarm indication:	Indoor: Through front panel LED
29.	Remote interface:	None as standard Option S: Indoor: Serial (RS232 and RS485) and TCP/IP (SNMP and web browser) Outdoor: TCP/IP (SNMP and web browser)

MODEL TABLE

Indoor/Outdoor	Input band, GHz	Output band, MHz	LO, GHz
BD701/BD70	10.95 to 11.70	950 to 1,700	10.00
BD702	11.45 to 11.95	950 to 1,450	10.50
BD711/BD71	11.70 to 12.25	950 to 1,500	10.75
BD721/BD72	12.25 to 12.75	950 to 1,450	11.30
BD731/BD73 ⁽¹⁾	10.70 to 11.70 plus 11.70 to 12.75	950 to 1,950 plus 950 to 2,000	9.75 plus 10.75
BD732/BD76 ⁽²⁾	10.70 to 11.70 plus 11.70 to 12.75	950 to 1,950 plus 950 to 2,000	9.75 plus 10.75
BD741/BD74	11.7 to 12.75	950 to 2,000	10.75
BD742/BD78	10.7 to 11.70	950 to 1,950	9.75
BD743/BD75	10.7 to 11.75	950 to 2,000	9.75
BD745	11.7 to 12.75	1,100 to 2,150	10.60
BD791	13.75 to 14.50	950 to 1,700	12.80

- (1) Dual band, single input, single output, active band selectable from front panel and parallel remote interface.
(2) Dual band, single input, dual output, both bands simultaneously operational.

Note: Specification subject to change at any time without prior notice.
These converter types are only a small selection of what is available. Please contact us for further frequency bands and features