

# Block Down Converter Card

REVISIONS					
ECO	REV	DESCRIPTION	DATE	DRFT	APPR
E1011	X5	Added RF BAND D1, LBIF BAND D2, UN, UP, UR & GAIN S	08-25-08	SAM	
E0866	X6	ADD RF BAND SN, IF BAND US	10-01-08	SAM	
E1392	X7	Added Mechanical Shock and Input Voltage levels	03-09-10	SAM	
E1645	X8	Add UT freq to IF Band	4-19-11t		

**BDCC**

TYPE	
<b>BDCC</b>	BLOCK DOWN CONVERTER CARD

RF BAND	
****L8	1435-1535 MHz
****L2	1.7 - 1.85 GHz
****S2	1.99 - 2.5 GHz
****S3	2.4 - 2.7 GHz
****C1	3.1 - 3.6 GHz
C2	4.4 - 5.0 GHz
****F4	5.5 - 5.9 GHz
*X5	8.1 - 8.5 GHz
X7	6.425 - 6.525GHz
X8	6.875 - 7.125 GHz
D1	1.755 - 1.85 & 2.20 -2.40 GHz
****LB	1.755 - 1.85 GHz
****SN	2.2 - 2.3 GHz

MECHANICAL SHOCK	
Code	SHOCK
	STD; <20g
H	≥20g to 20Kg

HOUSING	
1	CARD ONLY
2	MODULE
3	MNT PLATE

IF BAND	
IF Code	IF Band
P5	398 - 372 MHz
U6	598 - 572 MHz
U7	700 - 400 MHz
U8	665 - 565 MHz
U4	700 - 550 MHz
U2	810 - 300 MHz
U3	800 - 200 MHz
U5	775 - 625 MHz
UA	800 - 400 MHz
UC	805 - 705 MHz
S2 **	2500 - 1990 MHz
UD	800 - 300 MHz
UE	800 - 500 MHz
UG	700 - 200 MHz
UH	300 - 800 MHz
D2	795 - 700 & 350 - 150 MHz
D4	845 - 750 & 400 - 200 MHz
UN	645 - 550 MHz
UP	695 - 795 MHz
UR	655 - 405 MHz
US	600 - 500 MHz
UT	400-800MHz

GAIN ***	
Gain Code	Gain
P	43 - 25 dB
Q	39 - 25 dB
R	34 - 25 dB
S	32 - 25 dB

INVERSION	
INV Code	INV
Y	YES
N	NO

NOISE FIGURE (typ)	
NF Code	NF
5	2.5 dB
6	3.0 dB
7	3.5 dB
A	4.0 dB
B	4.5 dB

**NOTE:**

Frequency status:

\* In Development

\*\* BDCC's with MHz IF output frequencies are compatible with GMS receivers.

\*\*\* User programmable

\*\*\*\* BDCC voltage range +9V to +22V

ENG/TECH	SAM	<b>COBHAM</b> GMS Products	DWG TITLE		
DRAWN	SAM		MNI, BLOCK DOWN CONVERTER CARD		
ENG	SAM		DWG NO		REV
PROD		SIZE	DATE	100-MNI0043X8	X8
QC		SCALE:	NONE	SHEET 1 of 1	