

# Standard Products

## Synthesised Frequency Converters (Rack & Remote Mounted);

P7000	IF to L-Band Up/DownConverter
P7001	High performance, L-Band to IF DownConverter
L7001	Standard performance, L-Band to IF DownConverter
P7001D	Double L-Band to IF DownConverter
P7001Q	Quad L-Band to IF DownConverter
P7001R	Remote, L-Band to IF DownConverter
P7002	IF to L-Band UpConverter
P7002D	Double IF to L-Band UpConverter
P7002R	Remote, IF to L-Band UpConverter
P7003 series	C-Band to IF DownConverter
P7006 series	IF to C-Band UpConverter
P7007	X-Band to IF DownConverter

P7008	IF to X-Band UpConverter
P7010/11/12	Ku-Band to IF DownConverter
P7013 series	IF to Ku-Band UpConverter
P7018 series	IF to DBS-Band UpConverter
P7020	IF to S-Band Up/DownConverter
P7021	S-Band to IF DownConverter
P7021R	Remote, S-Band to IF DownConverter
P7022	IF to S-Band UpConverter
P7022R	Remote, IF to S-Band UpConverter
P7025 series	Full Ku-band to IF DownConverter
P7035	Full Ku-band to IF DownConverter
P7600 series	IF to Dual-Band (C, Ku) UpConverter

## Fixed Frequency Converters (Rack & Remote Mounted);

F1200	IF/L-Band combined Up & DownConverter
F1201	L-Band to IF DownConverter
F1201R	L-Band to IF Remote DownConverter

F1202	IF to L-Band UpConverter
F1202R	IF to L-Band remote mount UpConverter
IF70, IF140	IF 70/140MHz converters

## Block Converters (High Performance Grade);

### Block UpConverter Frequency Ranges; Single Range;

600	L to standard C-Band (5.85-6.425GHz)
665	L to extended C-Band (5.85-6.65GHz)
6725	L to super extended C-Band (5.85-6.725GHz)
7025	L to INSAT C-Band (6.70-7.025GHz)
710	L to extended INSAT C-Band (6.70-7.10GHz)
790	L to X-Band (7.9-8.4GHz)
1275	L to Ku-Band (12.75-13.5GHz)
130	L to Ku-Band (13.00-13.75GHz)
137	L to extended Ku-Band (13.75-14.5GHz)
140	L to standard Ku-Band (14.00-14.5GHz)
145	L to Ku-Band (14.50-14.8GHz)
180	L to DBS-Band (17.3-18.1GHz)
184	L to extended DBS-Band (17.3-18.4GHz)

### Ka-Band Range;

1970	L to Ka-Band (19.7-20.2GHz)
2750	L to Ka-Band (27.5-28.6GHz)
2830	L to Ka-Band (28.3-29.1GHz)
2850	L to Ka-Band (28.5-29.5GHz)
2900	L to Ka-Band (29.0-30.0GHz)
2960	L to Ka-Band (29.6-30.2GHz)
3100	L to Ka-Band (30.0-31.0GHz)

### Multi-Range;

2000	L to full Ku-Band (12.75-14.5GHz), 2 range
2001	L to full C-Band (5.85-7.10GHz), 2 range
2002, 2b	L to dual-Band Ku & DBS-Band UpConverter
3000	L to full Ku-Band (12.75-14.5GHz), 3 range
3003	L to dual-Band C & full Ku-Band UpConverter
3004, 3004b	L to tri-Band C, X & full Ku-Band UpConverter

### Block DownConverter Frequency Ranges; Single Range;

340 - 344	C (3.4-4.2GHz) to L-Band
420 - 424	C (3.4-4.2GHz) to L-Band, inverted spectrum
450 - 454	INSAT C (4.5-4.8GHz) to L-Band
725	X (7.25-7.75GHz) to L-Band
1070	Ku low (10.7-11.7GHz) to L-Band
1095	Ku low (10.95-11.70GHz) to L-Band
1120	Ku mid (11.2-11.7GHz) to L-Band
1170	Ku mid (11.7-12.2GHz) to L-Band
1171	Ku high (11.70-12.75GHz) to L-Band
1225	Ku high (12.25-12.75GHz) to L-Band

### Ka-Band Range;

1770	Ka (17.7-18.7GHz) to L-Band
1820	Ka (18.2-19.2GHz) to L-Band
1870	Ka (18.7-19.7GHz) to L-Band
1890	Ka (18.9-19.6GHz) to L-Band
1920	Ka (19.2-20.2GHz) to L-Band
1950	Ka (19.5-20.2GHz) to L-Band
1970	Ka (19.7-20.2GHz) to L-Band
2020	Ka (20.2-21.2GHz) to L-Band
2140	Ka (21.4-22.0GHz) to L-Band
2950	Ka (29.5-30.0GHz) to L-Band

### Multi-Range;

2000, 2001	Full Ku (10.7 or 10.95-12.75GHz) to L-Band, 2 range
2003, 2004	Full C (3.4-4.8GHz) to L-Band, 2 range
3000, 3001	Full Ku (10.7 or 10.95-12.75GHz) to L-Band, 3 range
3000-2	Ku (10.95-11.7, 12.25-12.75GHz) to L-Band, 2 range
3003	Dual-Band C & full Ku-Band to L-Band
3004	Tri-Band C, X & full Ku-Band to L-Band
4004	Full Ku (10.7-12.75GHz) & full C (3.4-4.8GHz) to L-Band

## Block Converter Ranges (High Performance Grade);

### Rack mounted (traditional, single converter per 1RU);

IBU(A) series	Single range BUC's
IBUH(A) series	Single range BUC's, full user interface & remote control
IBU(B) series	Multi-range BUC's
IBUH(B) series	Multi-range BUC's, full user interface & remote control
IBU(Ka) series	Ka-Band BUC's
IBUH(Ka) series	Ka-Band BUC's, full user interface & remote control

IBD(A) series	Single range BDC's
IBDH(A) series	Single range BDC's, full user interface & remote control
IBD(B) series	Multi-range BDC's
IBDH(B) series	Multi-range BDC's, full user interface & remote control
IBD(Ka) series	Ka-Band BDC's
IBDH(Ka) series	Ka-Band BDC's, full user interface & remote control

### Rack mounted, modular 'hot swappable' with integral 1+1 redundancy (two converter modules per 1RU);

DBU200 series	Single range BUC's/ BDC's
DBUH200 series	Single range BUC's/ BDC's, full interface & remote control

DBU200(Ka) series	Ka-Band BUC's/ BDC's
DBUH200(Ka) series	Ka-Band BUC's/ BDC's, full interface & remote control

### Remote mounted (outdoor weatherproof);

PBUA series	Single range BUC's
PBUB series	Multi-range BUC's
PBU(Ka) series	Ka-Band BUC's

PBDA series	Single range BDC's
PBDB series	Multi-range BDC's
PBD(Ka) series	Ka-Band BDC's

## Block DownConverters (Standard Grade, 19" Rack Mounted);

L500 series	Standard performance, single & multi-range block DownConverters
L500(Ka) series	Standard performance, single range, Ka-Band block DownConverters

## Block DownConverters (VSAT Grade, 19" Rack Mounted);

V500 series	VSAT performance, single range block DownConverters
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## Beacon Receivers & UpLink Power Controllers;

UPC7000 series	UpLink power control unit
EXP010	10-channel expansion unit for the UPC7000 series

PTR50	Rack mounted, 'CW' tracking receiver
RTR50	Remote mounted, L-Band, 'CW' tracking receiver

## Line Amplifiers & Gain Controllers (IF, L-Band & SHF);

PLA series	Remote mounted
DLA series	Rack mounted, modular 'hot-swappable'
DLAH series	Modular 'hot-swappable', full interface & remote control

ILA series	Rack mounted, basic user interface
ILAH series	Rack mounted, full user interface & remote control
VGU010 series	10-channel 'modular' IF/ L-Band variable gain control unit

## Test Loop Translator Frequency Ranges;

202	S-Band (Tx) to S-Band (Rx) - <b>New</b>
600, 672	C-Band (Tx) to L-Band
585, 585I, 642, 2225, 6725	C-Band (Tx) to C-Band (Rx)
790	X-Band (Tx) to L-Band
742	X-Band (Tx) to X-Band (RX)
127, 137, 140, 145	Ku-Band (Tx) to L-Band
1000, 1001	Ku-Band (Tx) to Ku-Band (RX)
180, 184	DBS-Band (Tx) to L-Band

<b>Ka-Band Range</b>	
2750, 2800, 2900, 2960, 3000	Ka-Band (TX) to L-Band
3001	Ka-Band (TX) to Ka-Band (RX)
<b>Multi-Range</b>	
1003	Ku-band (TX) to 3-range Ku-Band (RX)
1004	C & Ku-Band (TX) to C & 3-range Ku-Band (RX)

## Test Loop Translator Ranges (Rack, Modular & Remote Mounted);

TLTR(A) series	Single range, remote mounted
TLTR(B) series	Multi-range, remote mounted
TLT(A) series	Single range, rack mounted, basic user interface
TLT(B) series	Multi-range, rack mounted, basic user interface
TLT(Ka) series	Ka-Band, rack mounted, basic user interface

TLTH(A) series	Single range, rack mounted, full user interface & remote control
TLTH(B) series	Multi-range, rack mounted, full user interface & remote control
TLTH(Ka) series	Ka-Band, rack mounted, full user interface & remote control
DTL series	Single range, modular 'hot-swappable', basic user interface
DTLH series	Single range, modular 'hot-swappable', full interface & remote control

## Splitters & Combiners (10MHz reference, IF, L-Band & SHF);

ISL/ ICL series	2, 4, 8, 16, 32 & 64-way, active/ passive, splitters & combiners with basic user interface
ISLH/ ICLH series	2, 4, 8, 16, 32 & 64-way, active/ passive, splitters & combiners with full user interface & remote control

## Redundancy Control & Switching Units;

RCU50	1+1 for BUC/BDC/LNB, rack mount
RCUH50	1+1 for BUC/BDC/LNB, rack mount with full interface
RCU50R/52R	1+1/ 2+1 for BUC/BDC/LNB, remote mount - <b>New</b>
RCU100	1+1 for L500/IBU/IBD series, with basic interface
RCUH100	1+1 for BUC/BDC series, with full interface
RCU200	2+1 for L500/IBU/IBD series, with basic interface
RCUH200	2+1 for BUC/BDC series, with full interface
T/ R1000	1+1 for P7000/IBUH/IBDH series
T/ R2000	2+1 for P7000/IBUH/IBDH series

T/ R1000LR	1+1 for remote P7000 series
T/ R2000LR	2+1 for remote P7000 series
RCU1000	N+1 redundancy for P7000 series
RCU1001	N+1 redundancy for IBU/IBD series
RCU1002	N+1 for IBUH/IBDH series
P1000 series	1+1 for UpLink power control units
B1000 series	1+1 for Beacon receiver units
A1000L	1+1 for L-Band line amplifiers

## Reference Generation/ Distribution Units & BUC/ BDC/ LNB Driver Units;

PRG series	Remote mounted, reference generation units
IRG series	Reference generation units

D400/600	BUC/BDC/LNB driver units
IRM series	Reference monitor units - <b>New</b>

## LNB Redundancy Systems;

PNB series 1+1 & 2+1 LNB redundancy systems (includes LNB's, waveguide switch, waveguide, control unit and cables)

## Distribution & Source Selection Switch Units (IF, L-Band & SHF);

ISUH series	IF/ L-Band/ SHF, distribution switch units
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OSB series	Remote mounted, source selection switch units - <b>New</b>
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## Noise Source Units;

INS series L-Band, noise source units

## Software Defined Radio;

SDR series Software defined radio 'advanced' development platform

## Plus;

- Control Panels
  - FPC100 Rack mount control panel for remote mounted agile converters
- UHF Block & Synthesised Frequency Converters
- Power supplies
  - OPS18 Outdoor weatherproof AC/DC power supplies
- Integral block UpConverters for KPAs, TWTAs or SSPAs
- Signal conditioning units
  - I,LCTR102 IF/L-Band signal conditioning & monitor unit
  - UHFseries UHF switching, monitoring and signal conditioning systems
- Earth Station Remote Monitoring and Switching Systems

## Specials and 'Custom Build'

In addition Peak build many other non-standard items for customer specific applications and are happy to consider any design modifications or bespoke build requirements, so if you don't see exactly what you need then please contact us and our applications engineering team will be happy to assist with the design of a cost effective solution for your system.



For more information on our products & services please visit our website; <http://www.peakcom.co.uk/>

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