

Broadband FOCUS Multiplexer

	Catalog Number Position	1	2	3	4	5	6	7	8	9	10	11	12	13
Example Catalog Number		B	0	4	4	N	2	4	0	0	R	B	F	F
1 - Base Unit														
Chassis, System Control Module (SCM) – RJ45, FE (100mb) Ports	B													
Chassis, Same as Option B, but with SNMP Trapping	S													
2 - SCM SFP based Fiber Port														
No SFP based Fiber Ports	0													
Two 1310nm Short Range SFP based FE 100mb Ports*	1													
Two 1310nm Long Range SFP based FE 100mb Ports*	3													
3 - Power Supply - One Voltage Range Selection****														
48/60 Vdc Range	4													
125 Vdc/120 Vac Range	1													
250 Vdc/240 Vac Range	5													
4 - Power Supply Two (Optional) - Voltage Range Selection****														
48/60 Vdc Range	4													
125 Vdc/120 Vac Range	1													
250 Vdc/240 Vac Range	5													
None Supplied	N													
5 - Optional Integrated Ethernet Managed Switch w/2 SFP, 8 FE Ports**														
2 – SFP Electrical GigE, 8 FE 10/100mb RJ45	E													
2 – SFP 1310nm Short Reach GigE, 8 FE 10/100mb RJ45	S													
2 – SFP 1550nm Long Reach GigE, 8 FE 10/100mb RJ45	L													
None Supplied	N													
6 - T1/E1 Transframer Module for TDM														
Quantity (Choose One)														
One Supplied	1													
Two Supplied	2													
None Supplied	N													
T1/E1 Port Interface Type***														
7 - Number of Electrical Ports (specify physical interface type below)	0-8													
8 - Number of 1310nm Long Range Optical Ports (Type LC)	0-8													
9 - Number of 1550nm Long Range Optical Ports (Type LC)	0-8													
10 - DS1 Electrical Port Interface Type														
DB-9, 110Ω balanced	D													
BNC, 75Ω unbalanced	B													
RJ48C, 110Ω balanced	R													
None, (No Electrical Ports)	N													
11 - Power Termination Connections														
Compression Type Terminal Block	C													
Barrier Type Terminal Block	B													
12 - Future	F													
13 - Future	F													

* Note: each optical port replaces one RJ45 Electrical FE (100mb) port on the SCM Interface Module.

** The internal switch comes standard with two GigE SFP (Small Form Pluggable) sockets. The SFP units themselves are not specified in the BB FOCUS Catalog number. These should be ordered separately as auxiliary components.

*** Minimum one T1/E1/DS1 port per each Transframer is required, maximum four per each Transframer. Includes any standby or redundant ports.

**** The Power Supply Module & Interface is a wide range voltage supply. Voltage range from 48 Vdc to 250 Vdc & 120 Vac to 240 Vac, is selected by jumper position and appropriate fuse selection installed on Power Supply Module (see Broadband FOCUS manual).

Available FOCUS Channel Modules

Type	Description
V2W	Voice 2-Wire Originating, 2 DS0 Channels per Module (Ring-down compatible)
V2T	Voice 2-Wire Terminating, 2 DS0 Channels per Module
FXS	Voice 2-Wire Originating, 2 DS0 Channels (FXS Signaling)
FXO	Voice 2-Wire Terminating, 2 DS0 Channels (FXO Signaling)
V4W	Voice 4-Wire, E&M Signaling, 2 DS0 Channels per Module
PBT	Addressable 2-wire Voice (Terminating: FOCUS-PBX)
PBW	Addressable 2-wire Voice (Originating)
CTR	Contact Transfer (8 Functions per Module)
HCB-2T/3T	Pilot Wire Relay Interface for 2 or 3-Terminal HCB, HCB-1
PRI	Protective Relay Interface Relay Output (PRI-A, PRI-M)
PRS	Protective Relay Interface Solid State Output (PRS-A, PRS-M)
232	Hardened RS-232, 19.2 Kbps Asynchronous 2 DS0 Channels per Module
64G	64 Kbps, Synchronous, G.703 Interface
DCU	Dataport Channel Module (OCUDP) 56kb/64kb
6NF	IEEE C37.94 Compliant Module (850nm)
6NE	Ethernet Switch Module (802.3, 10/100 Ethernet Compliant)
6NV/6NR	For Synchronous Bandwidth Equal to or Greater than 64kb (V.35 or RS-422)
64K	64 Kb Synchronous with 850nm Fiber Connectors for ABB REL530