

Product Overview

PRODUCT						
	Extended L-Band				S-Band	
		FlexLink R25 Distributive		FlexLink R25C Combining	FlexLink R25S Distributive	FlexLink R25CS Combining
	3RU Chassis	5RU Chassis	14RU Chassis	5RU Chassis	5RU Chassis	5RU Chassis
Dimension:	19", 500mm deep	19", 500mm deep	19", 600mm deep	19", 500mm deep	19", 500mm deep	19", 500mm deep
Switch Matrix Type:	Fan-out/distributive	Fan-out/distributive	Fan-out/distributive	Fan-in/combining	Fan-out/distributive	Fan-in/combining
Configuration Variants:	4:4 – 32:32 (increments of 4)	8:8 – 64:64 (increments of 8)	16:16 – 256:256 (increments of 16)	8:8 – 64:64 (increments of 8)	8:8 – 64:64 (increments of 8)	8:8 – 64:64 (increments of 8)
Power Supply:	85 – 230, 50/60Hz redundant (hot-swappable)	85 – 230, 50/60Hz redundant (hot-swappable)	85 – 230, 50/60Hz redundant (hot-swappable)	85 – 230, 50/60Hz, 1:1 redundant (hot-swappable)	85 – 230, 50/60Hz, 1:1 redundant (hot-swappable)	85 – 230, 50/60Hz, 1:1 redundant (hot-swappable)
Power Consumption:	<250W (@32:32 configuration)	<350W (@64:64 configuration)	<900W (@256:256 configuration)	<350W (@64:64 configuration)	<350W (@64:64 configuration)	<350W (@64:64 configuration)
Frequency Range:	850 – 2450MHz (extended L-Band)	850 – 2450MHz (extended L-Band)	850 – 2450MHz (extended L-Band)	850 – 2450MHz (extended L-Band)	800 – 4000MHz	800 – 4000MHz
Frequency Response:	± 2dB typ. ±3dB max. (@ Extended L-Band), ± 0,25dB max. (@ 40MHz)	± 2dB typ. ±3dB max. (@ Extended L-Band), ± 0,25dB max. (@ 40MHz)	± 3dB typ. ±4dB max. (@ Extended L-Band), ± 0,25dB max. (@ 40MHz)	± 2dB typ. ±2,5dB max. (@ Extended L-Band), ± 0,25dB max. (@ 40MHz)	± 2dB typ. ±3dB max.	± 3dB typ. ±3,5dB max.
Available I/O Connectors:	50Ohm SMA(f), 50Ohm BNC(f), 75Ohm F(f), 75Ohm BNC(f), 1310nm Optical	50Ohm SMA(f), 50Ohm BNC(f), 75Ohm F(f), 75Ohm BNC(f), 1310nm Optical	50Ohm SMA(f), 50Ohm BNC(f)	50Ohm SMA(f), 50Ohm BNC(f), 75Ohm F(f)*, 75Ohm BNC(f)*	50Ohm SMA(f)	50Ohm SMA(f)
Optical Input Connectors:	SC/APC, 1100...1650nm	SC/APC, 1100...1650nm	---	SC/APC, 1100...1650nm*	SC/APC, 1100...1650nm*	SC/APC, 1100...1650nm*
Variable Gain Control:	-20dB to +10dB (1dB steps)	-20dB to +10dB (1dB steps)	-20dB to +10dB (1dB steps)	-10dB to +10dB (1dB steps) all ports	-20dB to +10dB (1dB steps)	-10dB to +10dB (1dB steps) all port
Slope Equalization:	0 to 7dB	0 to 7dB	0 to 7dB	0 to 7dB		
10MHz Reference*:	50Ohm SMA(f)*, rear side	50Ohm SMA(f)*, rear side	50Ohm SMA(f)*, rear side			
RF Power Monitoring:	65dB dynamic range	65dB dynamic range	65dB dynamic range	65dB dynamic range	65dB dynamic range	65dB dynamic range
Input Level Control:	Monitoring threshold adjustment/alarming	Monitoring threshold adjustment/alarming	Monitoring threshold adjustment/alarming	Monitoring threshold adjustment/alarming	Monitoring threshold adjustment/alarming	Monitoring threshold adjustment/alarming
Local Configuration:	7" Touchscreen LC-Display	10" Touchscreen LC-Display	10.4" Touchscreen LC-Display	10" Touchscreen LC-Display	10" Touchscreen LC-Display	10" Touchscreen LC-Display
Remote Configuration:	RJ45 Ethernet-Interface (WebGUI, SNMPv2c)	RJ45 Ethernet-Interface (WebGUI, SNMPv2c)	RJ45 Ethernet-Interface (WebGUI, SNMPv2c)	RJ45 Ethernet-Interface (WebGUI https, SNMPV3)	RJ45 Ethernet-Interface (WebGUI, SNMPv2c)	RJ45 Ethernet-Interface (WebGUI https, SNMPV3)
Serial Interface:	RS232*	RS232*	RS232*		RS232*	
LNB-Supply/10MHz*:	---	---	---			
Noise Figure:	<12dB	<12dB	< 26dB	< 20dB	<12dB	< 20dB
Input/Output Return Loss:	14dB min., 16dB typ.	14dB min., 16dB typ.	14dB min., 16dB typ.	18dB min., 20dB typ.	12dB min., 14dB typ.	14dB min.
Isolation:	≥60dB typ. (In/In) / (In/Out) / (Out/Out)	≥60dB typ. (In/In) / (In/Out) / (Out/Out)	≥60dB typ. (In/In) / (In/Out) / (Out/Out)	≥60dB typ. (In/In) / (In/Out) / (Out/Out)	≥60dB typ. (In/In) / (In/Out) / (Out/Out)	≥60dB typ. (In/In) / (In/Out) / (Out/Out)
Operational Input Power:	-70dBm to -10dBm nominal, 0dBm max. (Recommended)	-70dBm to -10dBm nominal, 0dBm max. (Recommended)	-70dBm to -10dBm nominal, 0dBm max. (Recommended)	-70dBm to -10dBm nominal, 0dBm max. (Recommended)	-70dBm to -10dBm nominal, 0dBm max. (Recommended)	-70dBm to -10dBm nominal, 0dBm max. (Recommended)
RF Input Power:	+3dBm max. (damage level, depends on gain setting)	+3dBm max. (damage level, depends on gain setting)	+6dBm max. (damage level, depends on gain setting)	+6dBm max. (damage level, depends on gain setting)	+3dBm max. (damage level, depends on gain setting)	+6dBm max. (damage level, depends on gain setting)
RF Output Power:	+8dBm max. (damage level)	+8dBm max. (damage level)	+8dBm max. (damage level)	+10dBm max. (damage level)	+6dBm max. (damage level)	+6dBm max. (damage level)
IMA3 @ -10dBm:	<60dBc	<60dBc	<60dBc	<50dBc	<50dBc	<50dBc
P1dB:	+8dBm	+8dBm	+8dBm	+12dBm	+3dBm	+8dBm
SFDR:	< -80dBm	< -80dBm	< -80dBm	< -80dBm	< -80dBm	< -80dBm
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