

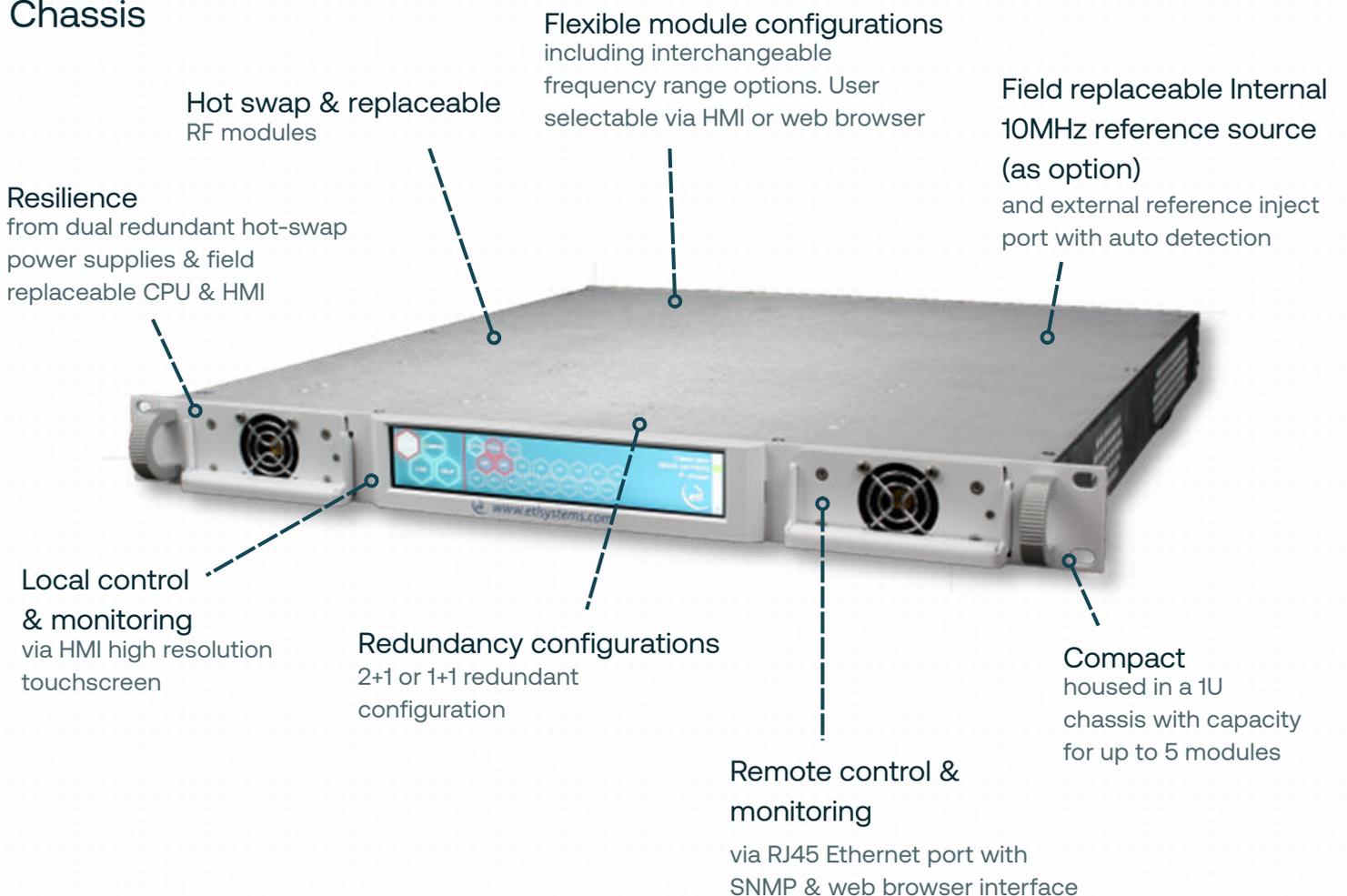
# Swift Series DC-40 GHz SP6T Switch Module

## Bidirectional 6x1 or 1x6 switch

The swift switch SP6T RF coax switch covers DC to 40GHz, occupying 2 slots for use in a 1U chassis, ODU chassis or 4&8 slot bench chassis. The switch is bidirectional so can be used as either a 6x1 or 1x6 switch.

The switch has Reflective (open) port behaviour when not switched. Other modules types are also available, these can be mixed and housed in the Genus range of chassis.

## Chassis





RF Parameters						
Model Numbers	SWF-G1S-QX-215					
Capacity	1x6 (SP6T) or 6x1					
Impedance	50 ohms (Reflective (open) port behaviour when not switched)					
Switchover time	10ms (Max)					
Switch Life	10 000 000 Cycles (Min)					
Connector Type	SMA					
Frequency bands	DC-3 GHz	3-8 GHz	8-12.4 GHz	12.4-18 GHz	18-26.5 GHz	26.5-40 GHz
Insertion loss	0.2dB (Max)	0.3dB (Max)	0.4dB (Max)	0.5dB (Max)	0.7dB (Max)	1.1dB (Max)
Return loss	20dB (Min)	17 dB (Min)	15 dB (Min)	13 dB (Min)	11 dB (Min)	8 dB (Min)
Isolation (path to path)	80dB (Min)	70 dB (Min)	60 dB (Min)	60 dB (Min)	55 dB (Min)	45 dB (Min)
Maximum RF input power (Maximum average through switched path. Assuming worst case load VSWR of 2.)	60W	35W	30W	25W	15W	5W
Environmental						
Temperature	Operating: 0 to 50°C    Storage: -20°C to +75°C					
Location	Indoor use only, within parent GENUS chassis					
Humidity	20 to 90% non-condensing					
Altitude	10,000ft / 3000m AMSL					
Physical Dimensions & Parameters						
Weight	TBC					
Dimensions	250mm x 42mm x 42mm					
Module finish	Unpainted aluminium					
Spec Version	0.1					

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.  
 Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.