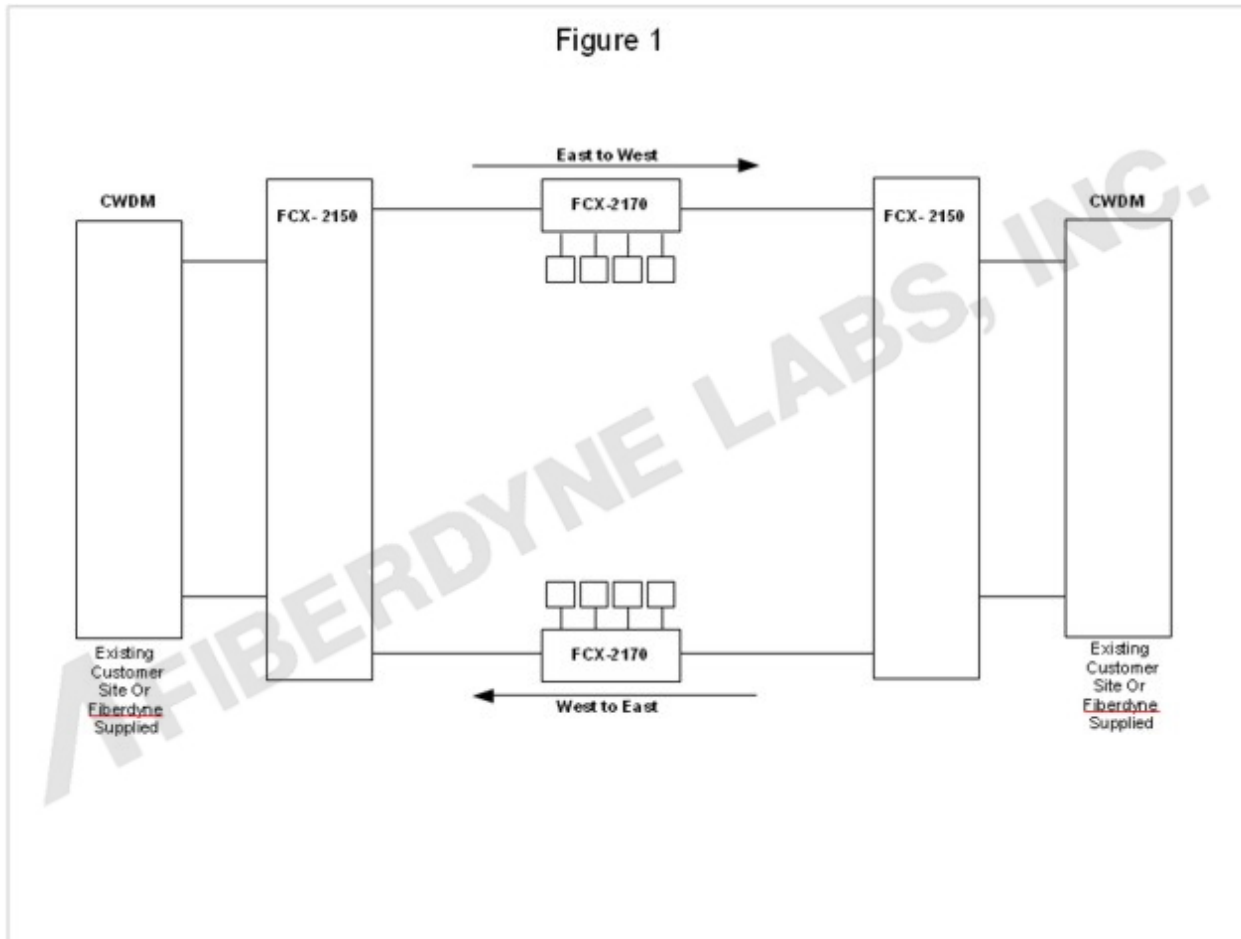


**Introduction:**

The FCX 2170 is a 4 Channel 100GHz DWDM Optical Add/Drop Multiplexer (OADM) which is a member of the CWDM/DWDM family of Fiberdyne Doublers. The OADM allows the Add/Drop capability to DWDM Wavelengths at intermediate site between 2 doublers. A typical application is illustrated below in Figure 1.



Fiberdyne has developed a complete family of products that encompasses the combination of CWDM and DWDM technology.



**Specifications:**

Parameters	Path	Max/Min	Units
Operating Bandwidth		1460-1620	nm
Channel Spacing		100	GHz
Insertion Loss		3.5	dB
Isolation	Pass Port	15	dB
Isolation Loss	Adjacent Port	30	dB
Return Loss		45	dB
Directivity		45	dB
PDL		0.2	dB
Operating Temperature		0 to 65	C°
Storage Temperature		-40 -85	C°