



Optical Output Power Standard Options

	R1 (ohm)	R2 (ohm)	R3 (ohm)	C (pf)
23 ma -15.5 dbm	56	68	390	27
37 ma -13.3 dbm	20	36	220	120
60 ma -12.2 dbm	12	22	130	91

A) R1 and R2 are 1/4 watt, R3 is 1/2 watt.

- A) All resistors are 1/8 watt U.O.N.
- B) F3037 Gnc is pins 4 & 5, F3037 Vcc is pins 12 & 13.
- C) Unused gate inputs are tied to rail.

Front Devices Relative Position

- optical TX
- 100ns trim pot
- input view spigot
- output view spigot
- power on LED (green)
- Upstream Permit LED (green)
- Local Permit LED (green)
- Abort LED (red)
- optical RX

ITEM NO.	PART NO.	DESCRIPTION OR SIZE	QTY. REQ.
PARTS LIST			
UNLESS OTHERWISE SPECIFIED		ORIGINATOR	Terry Hendricks
4/10/98		DRAWN	Terry Hendricks
4/13/98		LAST REVISED	Terry Hendricks
8/11/98		APPROVED	Anne Mason

**GREEN (or) VIOLET COLOR CODE**

USED ON original Main Ring

Source Reference: 0818-ED-218489, RJ Ducar, 2-27-89. As Revised

FERMI NATIONAL ACCELERATOR LABORATORY  
UNITED STATES DEPARTMENT OF ENERGY

**820 nm Fiber Optic Abort Repeater, Configured for Main Injector Links**

SCALE	DRAWING NUMBER	REV.
	\\ATLAS\D:\DOC\MIBP_ABORT\RF129.vlm	B