LIGO HANFORD OBSERVATORY

PO BOX 159

RICHLAND WA 99352

TEL: 509.372.8106

FAX: 509.372.8137


# MEMORANDUM

DATE: October 10, 2012

|  |  |
| --- | --- |
| TO: | ISC team |
| FROM: | Daniel Sigg |
| SUBJECT: | RF Power Splitter for PSL VCO |
| Refer to: | LIGO-E1200894-v1 |

The PSL VCO requires 3 output signals to the PSL AOM, to the frequency doubler driving the ALS Fiber Distribution and to the timing comparator/frequency counter. Only outputs are available. An RF power splitter is needed to split the second output between the frequency doubler and the timing comparator/frequency counter.

BOM (for 3 ifo):

|  |  |  |  |
| --- | --- | --- | --- |
| Qty | Item | Distributor | Description |
| 3 | RFLT2W0002G (N female) | RF Lambda | 5MHz-2000MHz 2-Way 50Ω Power Divider |
| 3 | PE9007 | Pasternack | N Male to N Male Adapter |
| 3 | PE9086 | Pasternack | N Male to N Female Right Angle Adapter |

directly attached to RF panel PSL VCO Return

Mounting:

cable from PSL VCO output 2

cable to frequency doubler

N-female

N-male

PE9086

PE9007

RFLT2W0002G