40KHz MODULATED LIGHT RECEIVER

LIGHT CONVERSION = 4V/uW
TYPICAL NOISE LEVEL = 1mVPP (200pW LIGHT)

1.0" LENS
100 SQ mm ACTIVE AREA

PHOTODIODE
D3

1.0" LENS

BACK SURFACE
CATHODE

PIN

ANODE

100 SQ mm ACTIVE AREA

METAL SHIELD

LIGHT DETECTOR

40KHz LIGHT DETECTOR

DAVID JOHNSON AND ASSOCIATES
OPTICAL THROUGH-THE-AIR RECEIVER
40KHz LIGHT DETECTOR

DRAWN BY: DAVE JOHNSON

40KRVR1.DSN A

Friday, March 12, 1999