



PART NUMBER  
FRL2003DS

## Dual-Output InGaAs pin-TIA Receiver

### DESCRIPTION

The Fermionics FRL2003DS combines a MAXIM 3864E/D preamplifier with a high speed InGaAs pin photodiode in a compact TO-46 package. The angle-polished single mode fiber pigtail provides a low back-reflection optical input. For operation in the wavelength region 950 nm to 1650 nm.

Operating Characteristics		
Parameter	Value	Units
Small Signal Bandwidth	2000 (typ)	MHz
Responsivity	1000 (min)	mV/mW
Back Reflection	-35	dB
$V_{CC}$	3 - 5.5	V
$V_R$	5	V

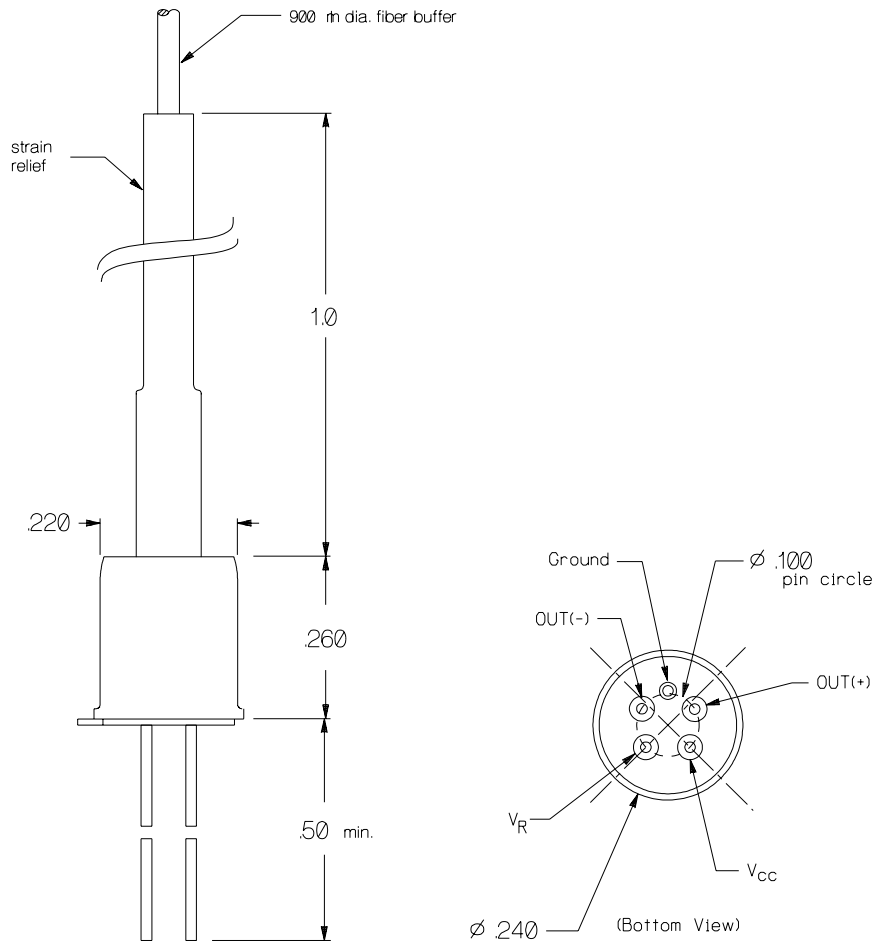
NOTE: In this assembly, the TIA Filter pin has been grounded, to disable the DC cancellation circuit.

PRELIMINARY



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**DIMENSIONAL OUTLINE**



(dimensions in inches)