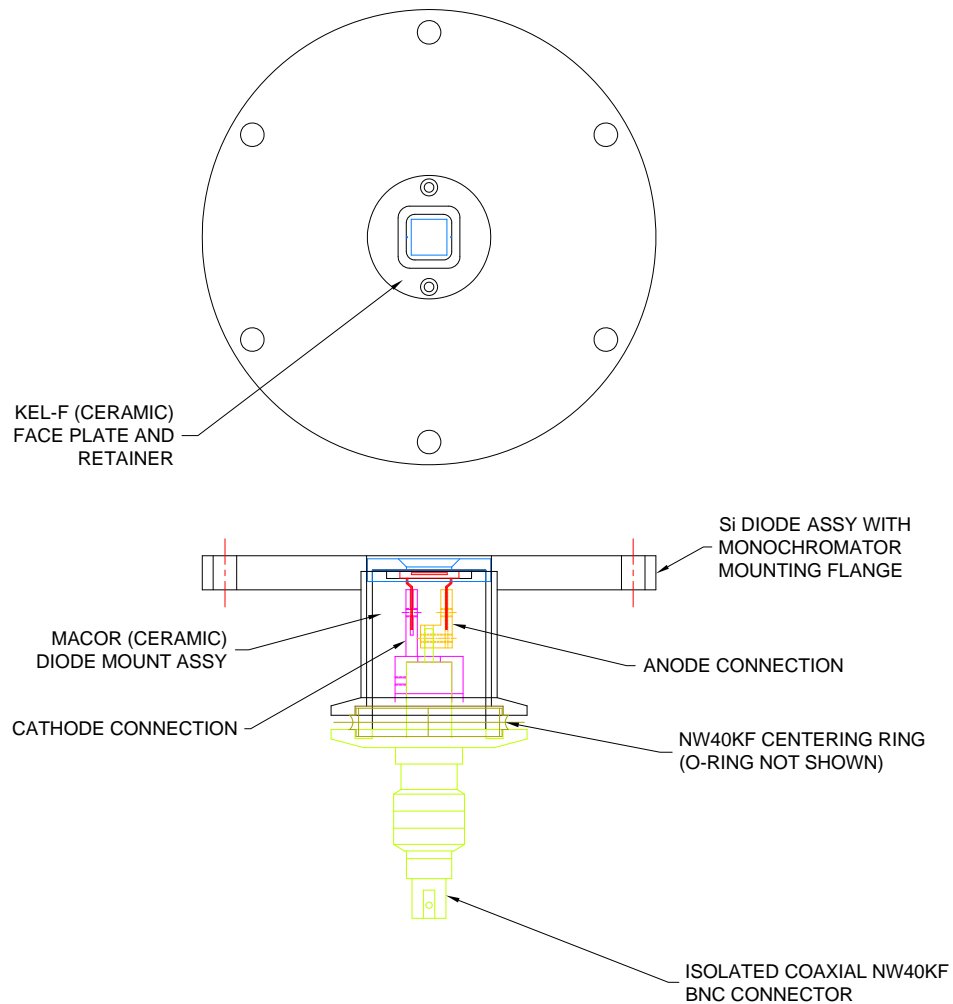
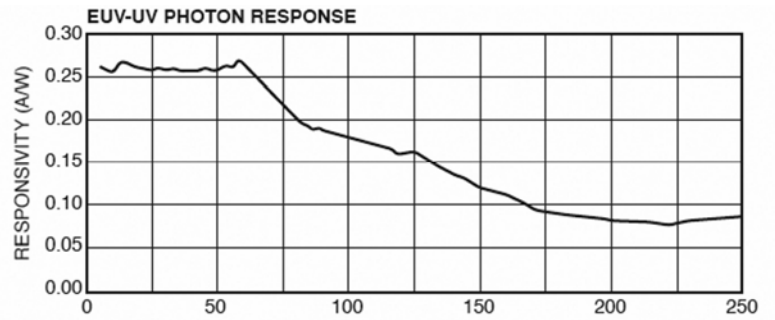
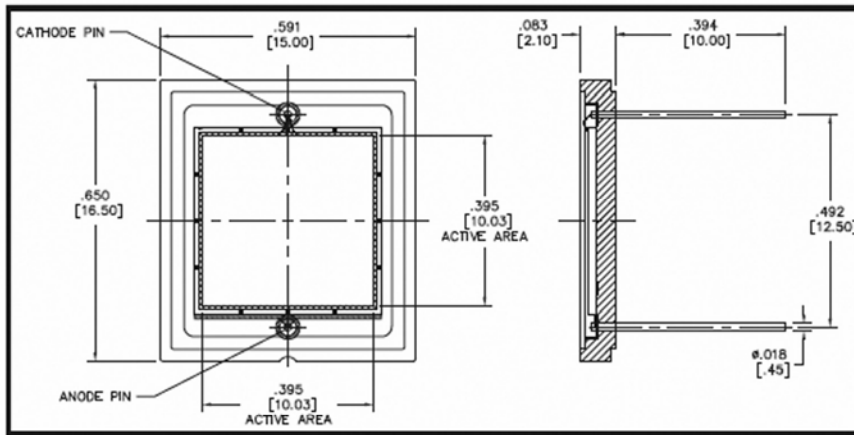


Vacuum compatible Silicon photodiode detector 10x10mm comes with amplifier and small housing with flange for mounting detector to McPherson slit assemblies.





FEATURES

- Ideal for electron detection
- Large detection area
- 100% internal QE

Dimensions are in inch [metric] units.

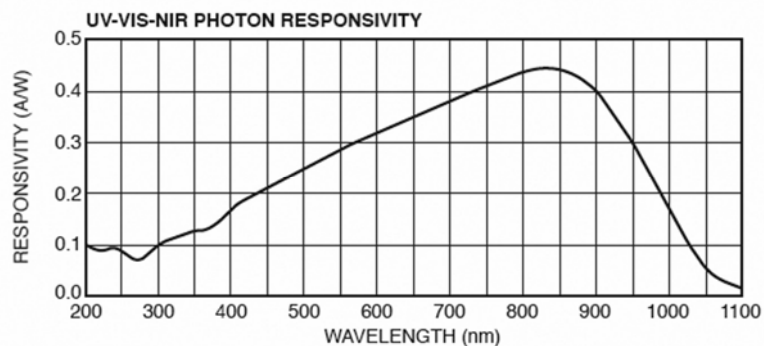
ELECTRO-OPTICAL CHARACTERISTICS AT 25°C

PARAMETERS	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Active Area	10mm x 10mm		100		mm ²
Responsivity, \mathcal{R}	(see graphs on next page)				A/W
Shunt Resistance, R_{sh}	$V_B = \pm 10mV$	10	50		M-ohm
Reverse Breakdown Voltage, V_R	$I_R = 1\mu A$	5	10		Volts
Capacitance, C	$V_R = 0V$		10	44	pF
Rise Time	$V_R = 0V, R_L = 50\Omega$		10		usec

THERMAL PARAMETERS

Storage and Operating Temperature Range	-40°C TO 70°C
Maximum Junction Temperature	70°C
Lead Soldering Temperature ¹	260°C

¹0.08" from case for 10 seconds.





1. Silicon photodiode with NW40KF interface in vacuum housing fitting McPherson 5" OD slit assemblies. Signal output via isolated BNC connector.
2. Stub cable; short length interconnects detector and amplifier (BNC to BNC)
3. Amplifier with Input, Output and D connector for power input
4. Pre amplifier power supply
5. Signal output cable (6', BNC to BNC)