



POE

Table 2. Class Resistor Selection

CLASS	POWER AT PD PI		Class Current Requirement		RESISTOR (Ω)	NOTES
	MINIMUM (W)	MAXIMUM (W)	MINIMUM (mA)	MAXIMUM (mA)		
0	0.44	12.95	0	4	1270	
1	0.44	3.84	9	12	243	
2	3.84	6.49	17	20	137	
3	6.49	12.95	26	30	90.9	
4	12.95	25.5	36	44	63.4	Only permitted for type 2 devices

$$R_{APD1} = R_{APD2} \times (V_{ADPTR_ON} - V_{APDEN}) / V_{APDEN}$$

$$V_{ADPTR_OFF} = \frac{R_{APD1} + R_{APD2}}{R_{APD2}} \times (V_{APDEN} - V_{APDH})$$

APD		V _{APD} †			V
V _{APDEN}	Threshold voltage	1.42	1.5	1.58	
V _{APDH}		Hysteresis ⁽¹⁾			
		0.28	0.3	0.32	

