

P.L.McGuire 12 July 2025

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Title Illuminati IR Transmission Tester Source			
Size B	Document Number 914362		Rev E
Date:	Saturday, July 12, 2025	Sheet	2 of 4

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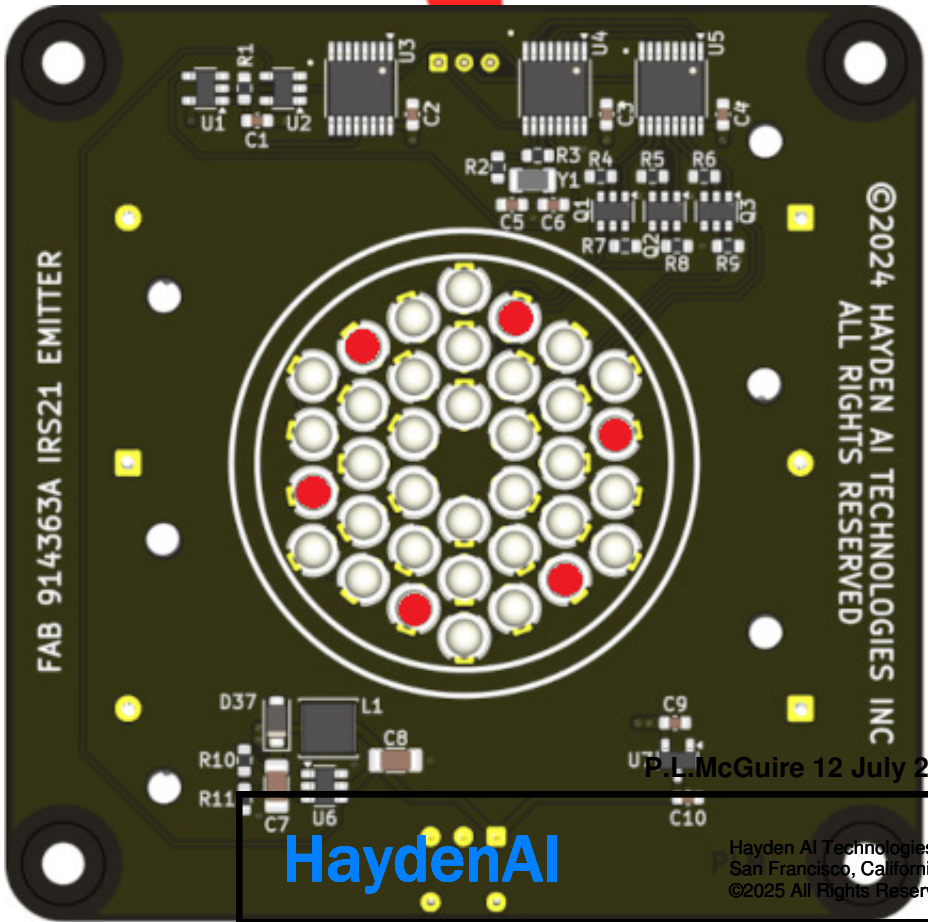
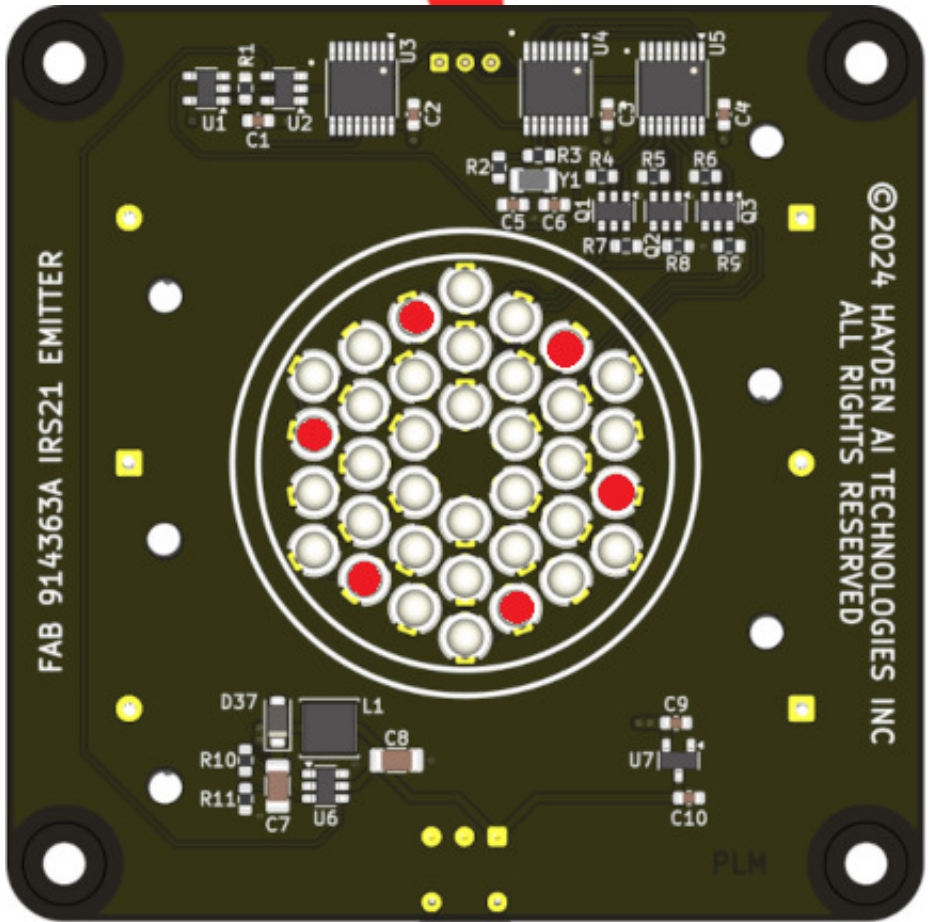
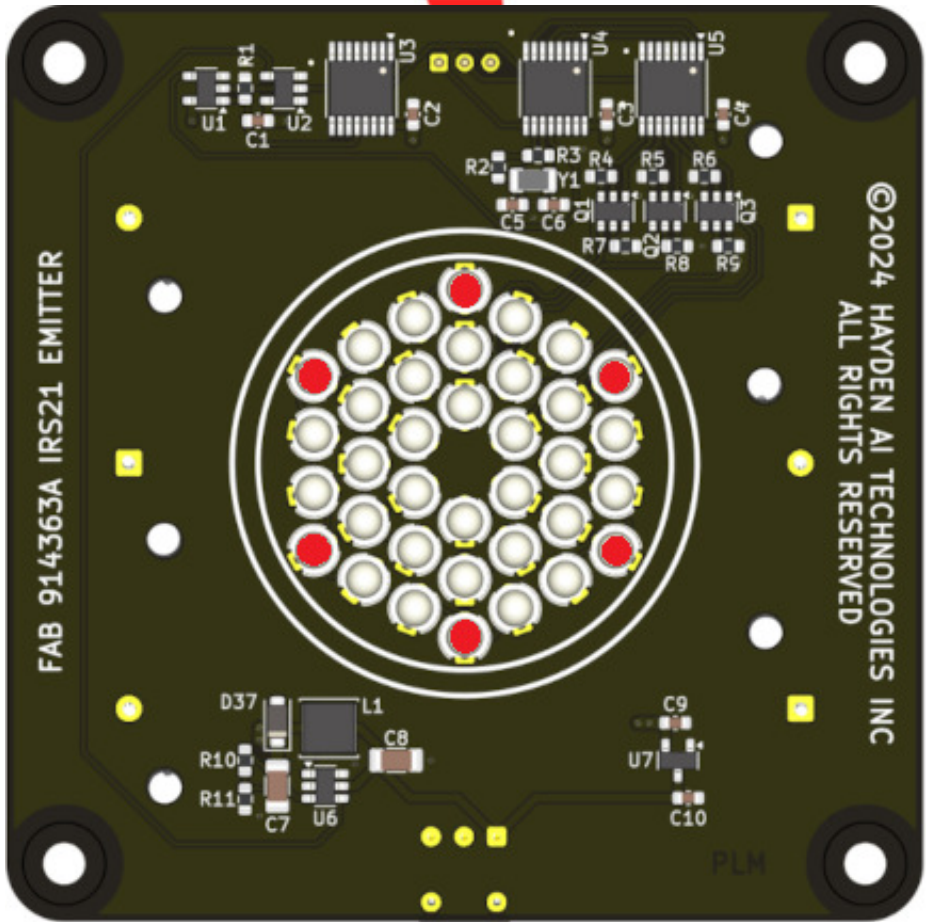
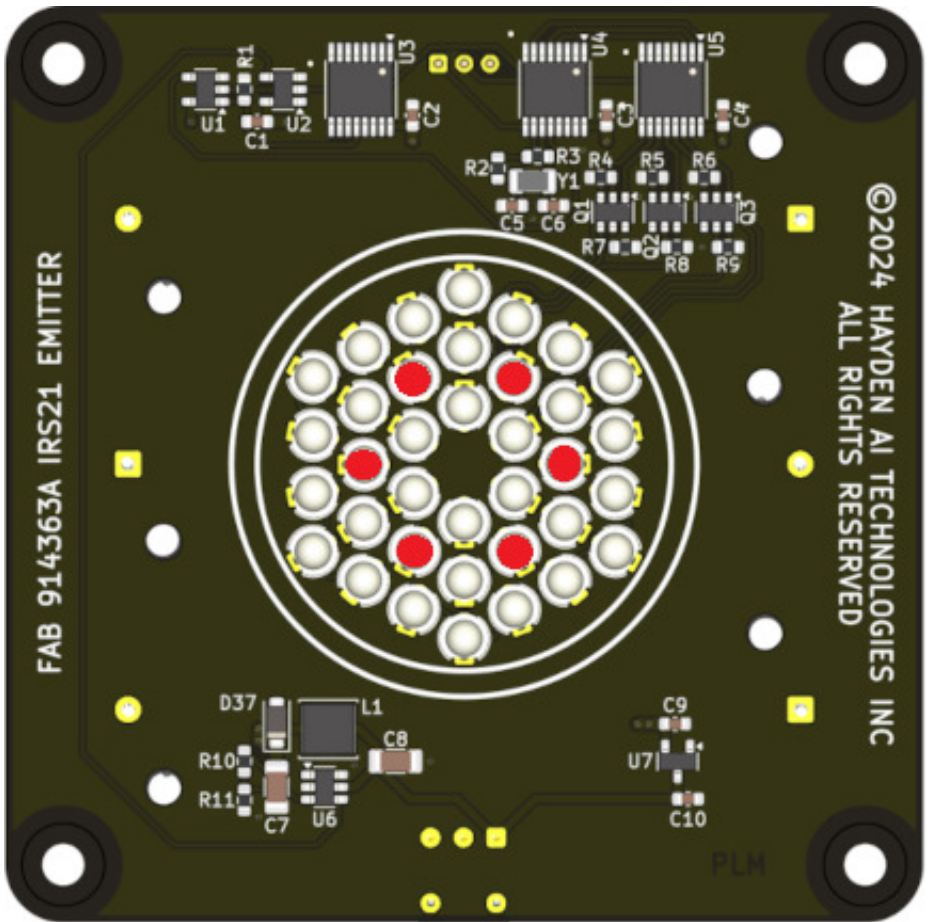
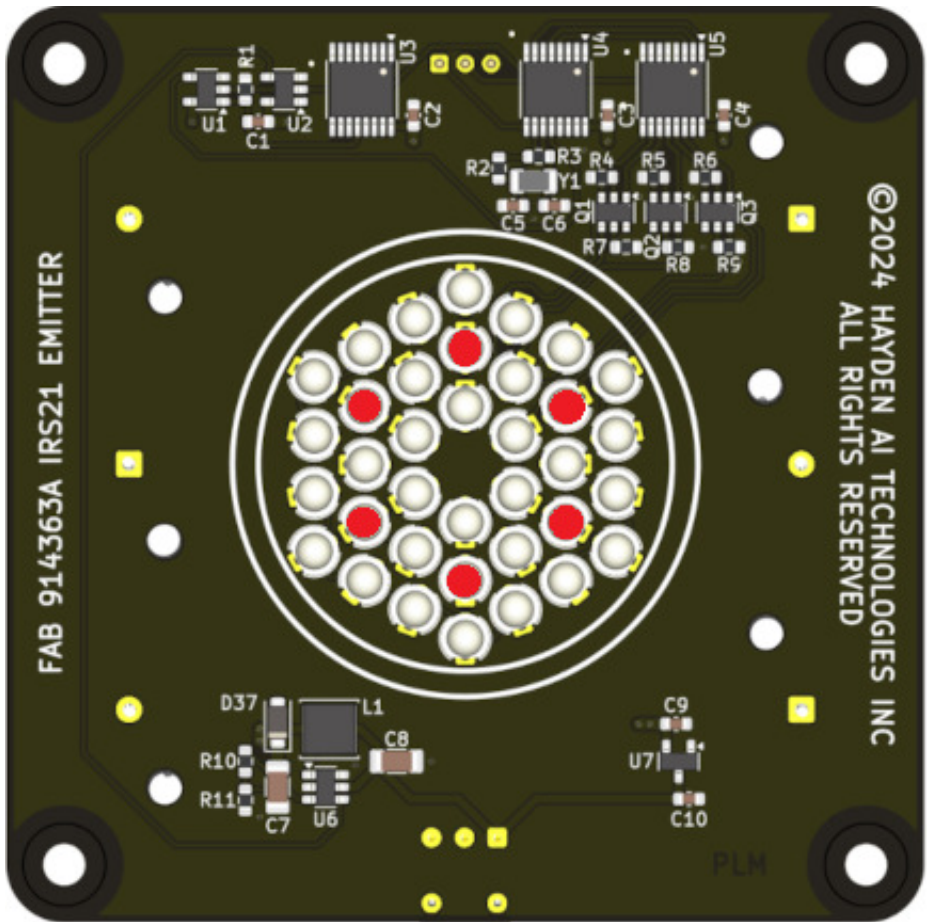
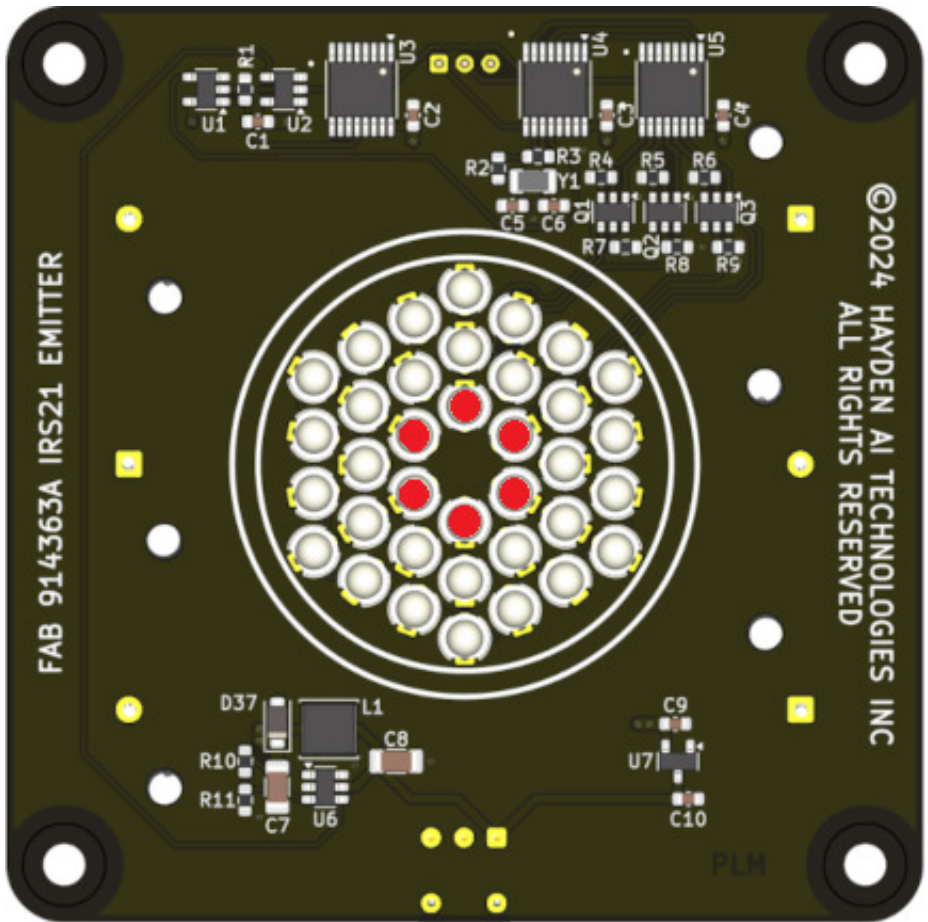
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rev-A PCB shown

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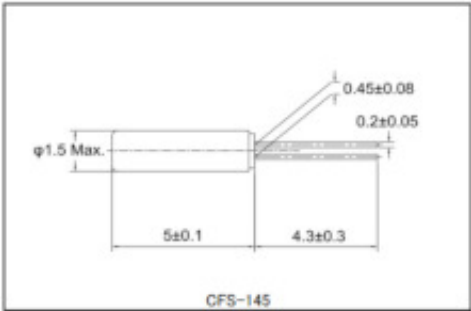
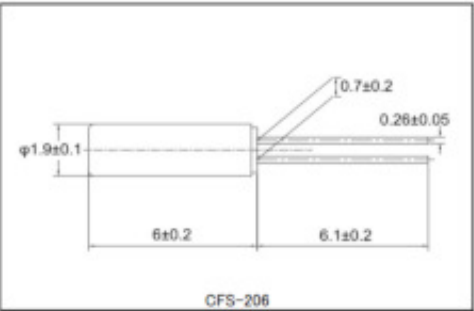
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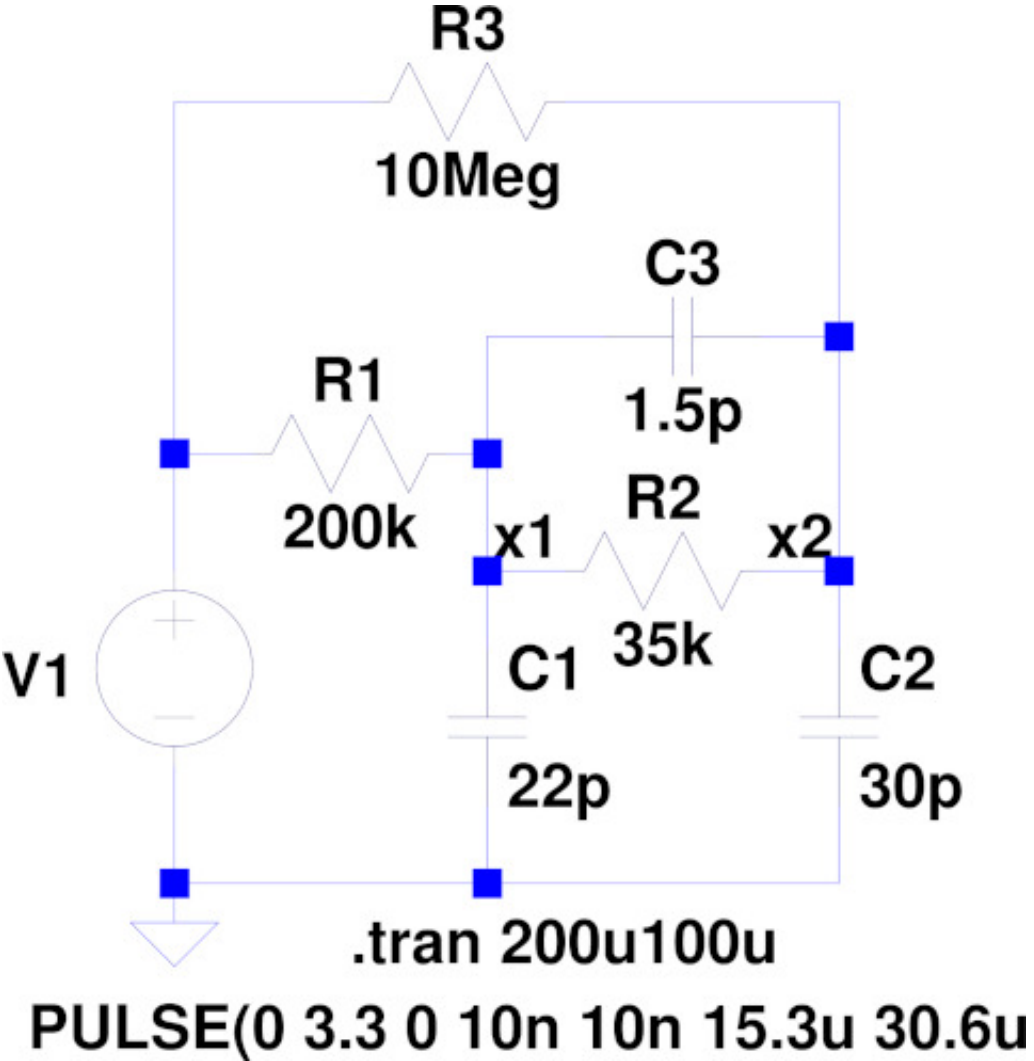
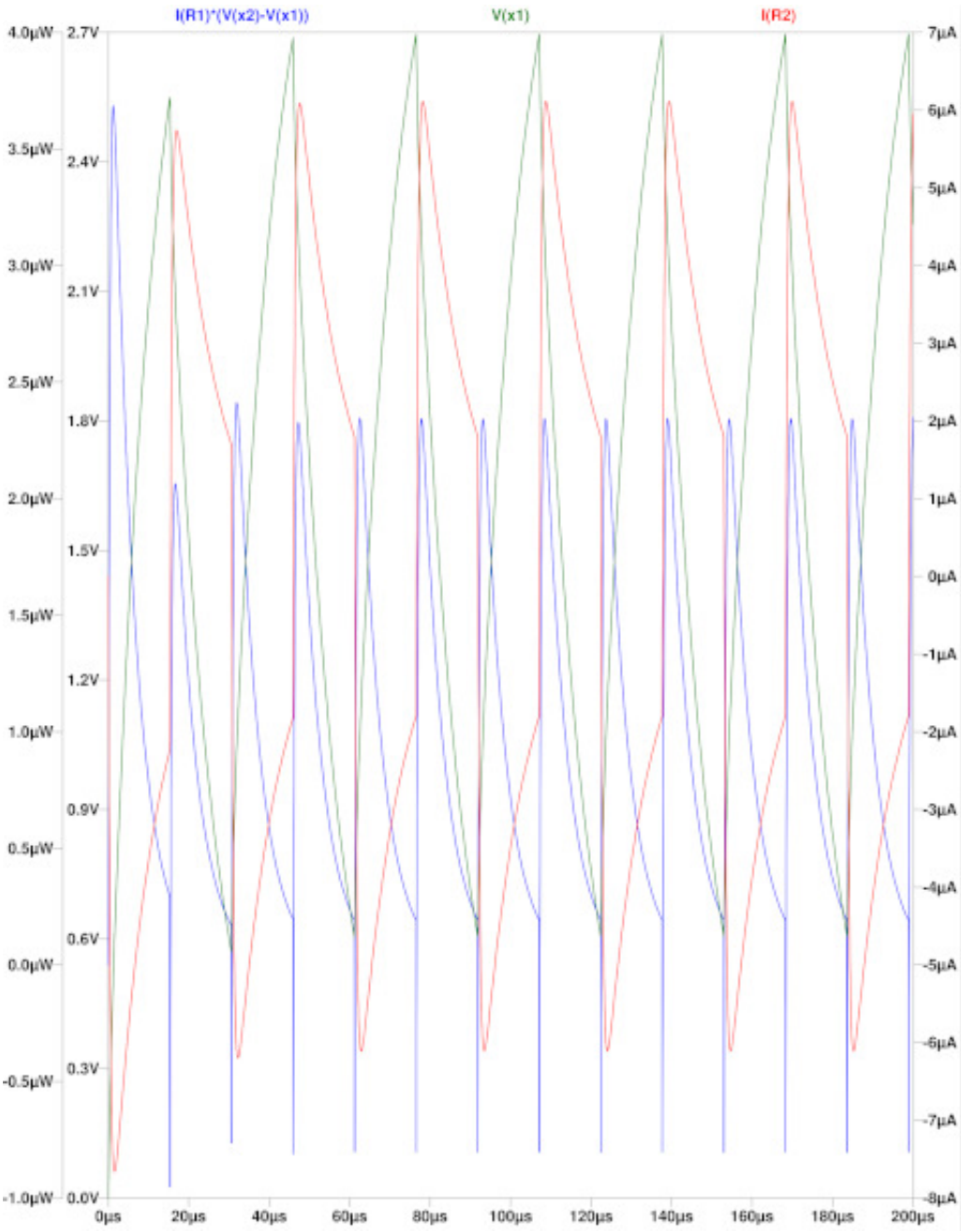
Title Illuminati IR Transmission Tester Source		
Size B	Document Number 914362	Rev B
Date Saturday, July 12, 2025	Sheet 3	of 4

DIMENSION [mm]



STANDARD SPECIFICATIONS

Item	Model	CFS-206	CFS-145	Conditions
Nominal Frequency	f ₀	32.768kHz		
Frequency Tolerance	Δf/f ₀	±5ppm / ±10ppm / ±20ppm		at 25°C
Load capacitance	C _L	6.0pF / 7.0pF / 8.0pF / 12.5pF		Please specify your requirement
Operating Temperature Range	T _{OPR}	-20°C ~ +70°C		
Storage Temperature Range	T _{STR}	-40°C ~ +85°C		
Turnover Temperature	T _M	25°C±5°C		
Temperature Coefficient	β	-0.034±0.006ppm/°C ²		
Motional (series) resistance	R ₁	35K Ω Max.	40K Ω Max.	at 25°C
Level of drive	D _L	1 μW Max.		
Aging (first year)	Δf/f ₀	±3ppm Max.		25°C±3°C
Shunt capacitance	C ₀	1.2pF Typ.	1.0pF Typ.	



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Size	Document Number	Rev
B	914362	E
Date:	Saturday, July 12, 2025	Sheet 4 of 4