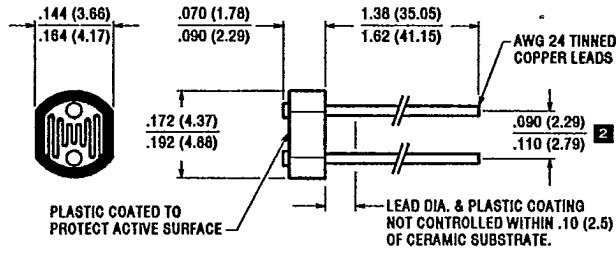


T-41-41

LIGHT DEPENDENT RESISTOR

VT900 Series

PACKAGE DIMENSIONS Inch (mm)



ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RATING	UNITS
CONTINUOUS POWER DISSIPATION DERATE ABOVE 25° C	P_D $\Delta P_D / \Delta T$	80 1.6	mW mW/°C
TEMPERATURE RANGE OPERATING AND STORAGE	T_A	- 50 to +75	°C

ELECTRO-OPTICAL CHARACTERISTICS @ 25° C (16 HRS. LIGHT ADAPT. MIN.)

Part Number *	Old Part Number	Resistance (Ohms) ³									Peak Spectral Response		Sensitivity (γ, typ.) LOG (R10/R100) LOG (100/10)	V _{Max} (V, pk)	Response Time @ 1 fc	
		2 fc 2850 K			10 lux 2850 K			DARK							Rise (1-1/e)	Fall (1/e)
		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	sec.	(nm)	Type					
VT92D403	—	—	40k	—	33k	66k	99k	1M	30	515	2	0.65	100	90	18	
VT93A104	VT932	67k	100k	130k	—	190k	—	50M	5	550	3	0.9	100	35	5	
VT93D473	—	—	47k	—	47k	94k	141k	20M	5	550	3	0.9	100	35	5	
VT93F303	VT934	—	30k	—	20k	60k	100k	1M	10	550	3	0.9	100	35	5	
VT93A223	VT931	15k	22k	29k	—	42k	—	1M	5	550	3	0.9	100	35	5	
VT93D203	—	—	20k	—	20k	40k	60k	5M	10	550	3	0.9	100	35	5	
VT93D153	—	—	15k	—	12k	24k	36k	300k	5	550	3	0.6	100	35	5	
VT93F153	VT935	—	15k	—	10k	30k	50k	1M	10	550	3	0.9	200	35	5	
VT93F153G	VT935G	—	9.3k	—	10k	18.5k	27k	1M	10	550	3	0.9	100	35	5	
GROUP A	—	—	15k	—	20k	29k	38k	1M	10	550	3	0.9	100	35	5	
GROUP B	—	—	20k	—	31k	40.5k	50k	1M	10	550	3	0.9	100	35	5	
GROUP C	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
VT93A113	VT93L	7k	11k	15k	—	22k	—	1M	5	550	3	0.9	100	35	5	
VT94A202	VT941	1.3k	2.0k	2.7k	—	34k	—	500k	5	675	4	0.77	100	35	18	
VT97A302	VT971L	2.0k	3.0k	4.0k	—	5.0k	—	1M	5	615	7	0.8	50	70	15	
VT97A452	VT971	3.0k	4.5k	6.0k	—	7.5k	—	2.5M	5	615	7	0.9	100	70	15	

* See page 11 for notes.

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