

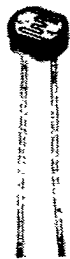
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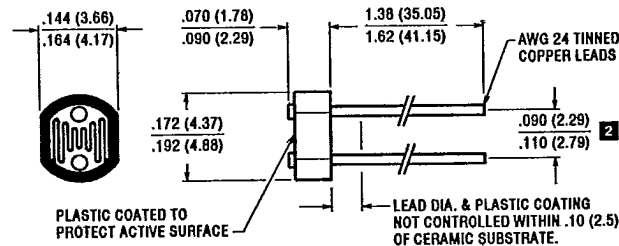
E G & G VACTEC

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 (%, typ.) Log (R10/R100) Log (100/10)	V _{Max} (V, pk)	Response Time @ 1 fc (ms, typ.)	
		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					
VT90A114	VT904	73k	110k	150k	—	230k	—	20M	5	565	0	0.9	300	78	8	
VT90A883	VT904L	59k	88k	120k	—	170k	—	10M	5	565	0	0.9	300	78	8	
VT90A443	VT903H	29k	44k	59k	—	80k	—	5M	5	565	0	0.9	300	78	8	
VT90D782G	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
GROUP A	—	—	5.7k	—	8k	10.5k	13k	1M	30	565	0	0.8	100	78	8	
GROUP B	—	—	7.8k	—	11k	14.5k	18k	1M	30	565	0	0.8	100	78	8	
GROUP C	—	—	10.6k	—	15k	19.5k	24k	1M	30	565	0	0.8	100	78	8	
VT90A802	VT902	5.3k	8.0k	11k	—	15k	—	750k	5	565	0	0.75	100	78	8	
VT90D542	—	—	5.4k	—	5k	10k	15k	500k	30	565	0	0.8	100	78	8	
VT90D492	—	—	4.9k	—	4.5k	9k	13.5k	500k	5	565	0	0.8	100	78	8	
VT90E492	—	—	4.9k	—	3.6k	9k	14.4k	1M	10	565	0	0.8	100	78	8	
VT90A432	VT901	2.9k	4.3k	5.7k	—	8k	—	500k	5	565	0	0.8	100	78	8	
VT91A144	VT914	94k	140k	190k	—	400k	—	200M	5	735	1	1.25	250	15	8	
VT91A643	VT914L	43k	64k	85k	—	160k	—	100M	5	735	1	1.25	100	15	8	
VT91A323	VT913H	21k	32k	43k	—	84k	—	50M	5	735	1	1.25	100	15	8	
VT91A153	VT912	10k	15k	20k	—	38k	—	20M	5	735	1	1.3	100	15	8	
VT91A602	VT912L	4k	6k	8k	—	18k	—	5M	5	735	1	1.3	100	15	8	

* See page 11 for notes.