

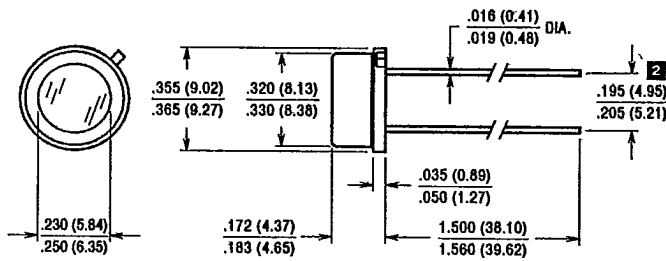
T-41-41

LIGHT DEPENDENT RESISTOR

VT300 Series



PACKAGE DIMENSIONS Inch (mm)



ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RATING	UNITS
CONTINUOUS POWER DISSIPATION DERATE ABOVE 25° C	P_D $\Delta P_D / \Delta T$	125 2.5	mW mW/°C
TEMPERATURE RANGE OPERATING AND STORAGE	T_A	- 50 to +75	°C

ELECTRO-OPTICAL CHARACTERISTICS @ 25° C (16 HRS. LIGHT ADAPT, MIN.) 4

Part Number *	Old Part Number	Resistance (Ohms) 3							Peak Spectral Response		Sensitivity (γ , typ.) LOG (R10/R100) LOG (100/10)	VMax (V, pk)	Response Time @ 1 fc (ms, typ.)	
		2 fc 2850 K			10 lux 2850 K			DARK 5 sec.					Rise (1-1/e)	Fall (1/e)
		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	(nm)	Type				
VT30A144	VT304	96k	140k	190k	—	280k	—	50M	565	0	0.85	300	78	8
VT30A703	VT303	47k	70k	93k	—	130k	—	10M	565	0	0.8	300	78	8
VT30A163	VT302	11k	16k	21k	—	28k	—	5M	565	0	0.8	300	78	8
VT30A103	VT302L	6.7k	10k	13k	—	19k	—	1M	565	0	0.8	300	78	8
VT30A302	VT301	2k	3k	4k	—	5.5k	—	200k	565	0	0.75	200	78	8
VT30A182	VT30L	1.2k	1.8k	2.4k	—	3k	—	100k	565	0	0.75	200	78	8
VT31A603	VT313L	40k	60k	80k	—	120k	—	100M	735	1	0.9	300	15	8
VT31A223	VT312	15k	22k	29k	—	45k	—	50M	735	1	0.9	300	15	8
VT31A422	VT311	2.8k	4.2k	5.6k	—	9k	—	1M	735	1	0.95	200	15	8
VT31A212	VT311L	1.4k	2.1k	2.8k	—	4.2k	—	500k	735	1	0.85	200	15	8
VT32A313	VT322	21k	31k	41k	—	58k	—	10M	515	2	0.8	300	90	18
VT32A392	VT321	2.6k	3.9k	5.2k	—	8k	—	200k	515	2	0.8	200	90	18
VT33A283	VT333	19k	28k	37k	—	53k	—	10M	550	3	0.9	200	35	5
VT33A143	VT333L	9.3k	14k	19k	—	28k	—	5M	550	3	0.9	200	35	5
VT34A283	VT343	19k	28k	37k	—	52k	—	10M	675	4	0.75	300	35	18
VT34A702	VT342	4.7k	7k	9.3k	—	15k	—	5M	675	4	0.85	300	35	18
VT34A122	VT341	0.8k	1.2k	1.6k	—	2k	—	500k	675	4	0.75	200	35	18
VT37A272	VT371	1.8k	2.7k	3.6k	—	5.8k	—	2M	615	7	0.8	100	70	15

* See page 11 for notes.

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