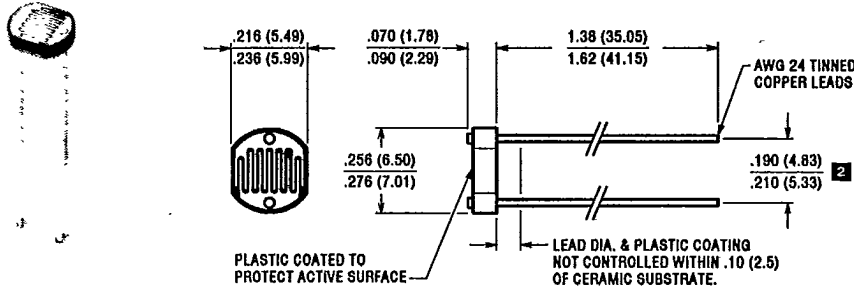


T-41-41

LIGHT DEPENDENT RESISTOR

VT800 Series

PACKAGE DIMENSIONS Inch (mm)



ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RATING	UNITS
CONTINUOUS POWER DISSIPATION DERATE ABOVE 25° C	P_D $\Delta P_D / \Delta T$	175 3.5	mW mW/°C
TEMPERATURE RANGE OPERATING AND STORAGE	T_A	- 50 to +75	°C

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

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 f (ms, typ.)	
		2 fc 2850 K			10 lux 2850 K			DARK								
		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	sec.	(nm)	Type	Rise (1-1/e)			Fall (1/e)	
VT83A334	VT835	220k	330k	440k	—	700k	—	100M	5	550	3	1.0	300	35	5	
VT83F603	VT83D	20k	60k	100k	—	120k	—	10M	5	550	3	0.95	200	35	5	
VT83A333	VT833	22k	33k	44k	—	75k	—	15M	5	550	3	0.95	300	35	5	
VT83E303	—	—	30k	—	25k	63k	100k	5M	10	550	3	0.95	100	35	5	
VT83D223	—	11k	22k	33k	—	40k	—	5M	10	550	3	0.9	200	35	5	
VT83C173	—	—	17k	—	20k	35k	50k	20M	10	550	3	0.95	200	35	5	
VT83F902	VT83C	3k	9k	15k	—	18k	—	1M	5	550	3	0.95	200	35	5	
VT83F302	VT83B	1k	3k	5k	—	6k	—	100k	5	550	3	0.95	100	35	5	
VT84A901	VT841L	0.6k	0.9k	1.2k	—	1.8k	—	500k	5	675	4	0.85	100	35	18	
VT87A302	VT871	2k	3k	4k	—	6k	—	10M	5	615	7	0.8	100	70	15	

* See page 11 for notes.

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