

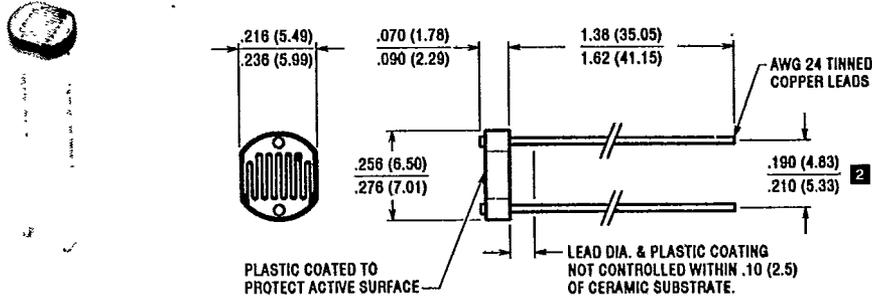
T-211-41

LIGHT DEPENDENT RESISTOR

VT800 Series

VCT 2 1210000 6090E02 33E D 3030609 0000721

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 (18 HRS. LIGHT ADAPT, MIN.)

Part Number *	Old Part Number	Resistance (Ohms) \square								Peak Spectral Response (nm)	Sensitivity (γ , typ.) $\frac{\text{LOG}(R_{10}/R_{100})}{\text{LOG}(100/10)}$	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.						
VT80A144	VT804	93k	140k	186k	—	220k	—	50M	5	565	0	0.8	300	78	8
VT80F124	VT80B	40k	120k	200k	—	240k	—	100M	5	565	0	0.8	300	78	8
VT80F682	—	—	6.8k	—	4k	12k	20k	500k	10	565	0	0.75	200	78	8
VT80E472	—	—	4.7k	—	3.6k	9k	14.4k	2M	10	565	0	0.85	200	78	8
VT80D332G	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
GROUP A	—	1.65k	2.1k	2.62k	—	3.8k	—	165k	5	565	0	0.65	170	78	8
GROUP B	—	2.14k	3k	3.77k	—	4.2k	—	165k	5	565	0	0.65	170	78	8
GROUP C	—	3.09k	4k	4.95k	—	7.0k	—	165k	5	565	0	0.65	170	78	8
VT80A302	VT801	2k	3k	4k	—	6k	—	250k	5	565	0	0.8	200	78	8
VT81D802	VT811H	4k	8k	12k	—	18k	—	10M	5	735	1	1.1	100	15	8
VT81D402	VT811	2k	4k	6k	—	10k	—	5M	5	735	1	1.1	70	15	8
VT82D292	—	—	2.9k	—	2.5k	5k	7.5k	200k	10	515	2	0.7	100	90	18
VT82A192	VT82L	1.3k	1.9k	2.5k	—	3.5k	—	100k	5	515	2	0.7	100	90	18

E G & G VACTEC

* See page 11 for notes.