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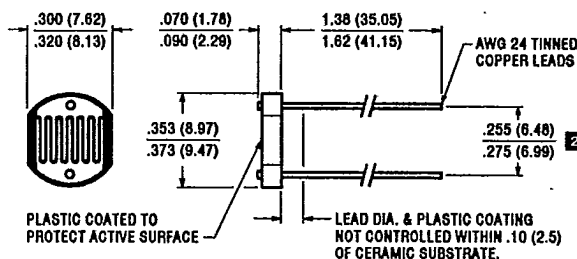
T-41-41

LIGHT DEPENDENT RESISTOR

VT700 Series



PACKAGE DIMENSIONS Inch (mm)



ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RATING	UNITS
CONTINUOUS POWER DISSIPATION	P_D	250	mW
DEMAND (20 MINUTES)		500	mW
DERATE ABOVE 25° C	$\Delta P_D / \Delta T$	5	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)	VMax (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)					
VT70A144	VT704	93k	140k	190k	—	260k	—	50M	5	565	0	0.8	300	78	8
VT70A663	VT703	44k	66k	88k	—	140k	—	20M	5	565	0	0.8	300	78	8
VT70F153	—	—	15k	—	10k	30k	50k	450k	5	565	0	0.85	200	78	8
VT70A902	VT702L	6k	9k	12k	—	18k	—	5M	5	565	0	0.8	200	78	8
VT70A302	VT701	2k	3k	4k	—	5.8k	—	5M	5	565	0	0.9	200	78	8
VT70A162	VT70L	1.1k	1.6k	2.1k	—	3k	—	1M	5	565	0	0.8	200	78	8
VT72A482	VT721H	3.2k	4.8k	6.4k	—	9.5k	—	2M	5	515	1	0.8	300	90	18
VT72A262	VT721	1.7k	2.6k	3.5k	—	3.8k	—	1M	5	515	1	0.8	300	90	18
VT73A103	VT732	6.7k	10k	13.3k	—	21k	—	10M	5	550	3	0.9	300	35	5
VT74A901	VT741	.6k	.9k	1.2k	—	1.9k	—	500k	5	675	4	0.75	100	35	18
VT74A451	VT74L	0.3k	0.45k	0.6	—	850	—	500k	5	675	4	0.75	100	35	18
VT77A842	VT773	5.6k	8.4k	11k	—	17k	—	10M	5	615	7	0.9	300	70	15
VT77A382	VT771H	2.5k	3.8k	5.1k	—	6.6k	—	10M	5	615	7	0.8	200	70	15
VT77A202	VT771	1.3k	2k	2.7k	—	3.8k	—	2M	5	615	7	0.8	150	70	15
VT77A142	VT771L	.93k	1.4k	1.9k	—	2.6k	—	500k	5	615	7	0.8	50	70	15

• See page 11 for notes.