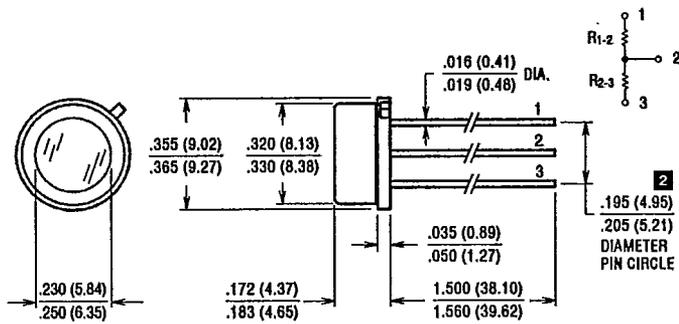


T-41-41

DUAL LIGHT DEPENDENT RESISTOR VT300/2 Series

VCT 5 620000 6090E0E 3EE D 3030609 0000728

PACKAGE DIMENSIONS Inch (mm)



ABSOLUTE MAXIMUM RATINGS

PARAMETER	SYMBOL	RATING	UNITS
CONTINUOUS POWER DISSIPATION (per element) DERATE ABOVE 25° C	P_D $\Delta P_D / \Delta T$	50 1.0	mW mW/°C
TEMPERATURE RANGE OPERATING AND STORAGE	T_A	- 50 to +75	°C
MATCHING RATIO @ 2 fc $M = R_{1-2} / R_{2-3}$	M	0.90 - 1.10	
MAXIMUM TRACKING RATIO (0.1 - 100 fc) $T = M_{0.1fc} / M_{100fc}$	T	0.85 - 1.15	

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

Part Number *	Old Part Number	Resistance Per Element (Ohms) 3							Peak Spectral Response		Sensitivity (y, typ.) $\frac{\log(R_{10}/R_{100})}{\log(100/10)}$	V_{Max} (V, pk)	Response Time @ 1 fc (ms, typ.)	
		2 fc 2850 K			10 lux 2850 K			DARK 5 sec.	Min.	Type			Rise (1-1/e)	Fall (1/e)
		Min.	Typ.	Max.	Min.	Typ.	Max.							
VT30A752/2	VT301/2	5k	7.5k	10k	—	15k	—	1M	565	0	0.8	200	78	8
VT31A502/2	VT312/2	3.3k	5k	6.7k	—	10k	—	1M	735	1	0.9	200	15	8
VT33A603/2	VT333/2	40k	60k	80k	—	130k	—	25M	550	3	0.9	200	35	5
VT34A302/2	VT341/2	2k	3k	4k	—	5.4k	—	200k	675	4	0.8	200	35	18
VT34A152/2	VT34L/2	1k	1.5k	2k	—	2.5k	—	100k	675	4	0.8	200	35	18

E G & G VACTEC

* See page 11 for notes.