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ROHM

T-41-61

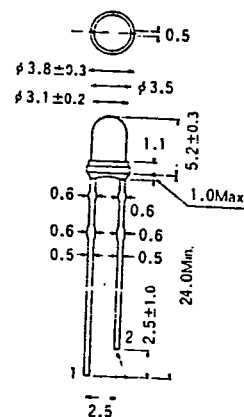
NEW PRODUCT

RPT-34PB3

T-1 PHOTOTRANSISTOR

ABSOLUTE MAXIMUM RATINGS ($T_A=25^\circ\text{C}$)

Parameter	Symbol	Rating	Unit
Collector to Emitter Voltage	V_{CEO}	32	V
Emitter to Collector Voltage	V_{ECO}	5	V
Collector Current	I_C	30	mA
Collector Dissipation	P_C	150	mW
Operating Temperature	T_{opt}	-55 to +100	C
Storage Temperature	T_{stg}	-55 to +100	C

ELECTRICAL CHARACTERISTICS ($T_A=25^\circ\text{C}$)

Parameter	Symbol	Min	Typ	Max	Unit	Condition
Collector-Emitter Breakdown	BV_{CEO}	32			V	$I_C=50\mu\text{A}$
Dark Current	I_{CEO}			0.5	μA	$V_{ce}=10\text{V}$
Collector Current	I_C		11		mA	$V_{ce}=5\text{V}$ 500 Lux
Peak Wavelength	λ_p		800		nm	
Rise and Fall Time	T_r T_f		10		μs	$V_{ce}=5\text{V}$, $I_C=1\text{mA}$ $R_L=100\Omega$