



Conventions Used in Presenting Technical Data

SYMBOLS AND TERMINOLOGY (alphabetically)

A	Radiant sensitive area	sr	Steradian
C	Capacitance	T	Period (duration)
°C	Celsius	T	Temperature
C _j	Junction capacitance	t	Time
C _k	Coupling capacitance	T _{amb}	Ambient temperature (range)
d	Distance	T _{case}	Case temperature
E _A	Illumination at standard illuminant A	t _d	Delay time
E _e	Irradiance (at a point of a surface)	t _f	Fall time
E _v	Illuminance (at a point of a surface)	T _j	Junction temperature
f	Frequency	t _{off}	Turn-off time
I _e	Radiant intensity (of a source in a given direction)	t _{on}	Turn-on time
I _F	Forward current continuous	t _p	Pulse duration
I _{FM}	Peak forward current	t _{pi}	Input pulse duration
I _{OH}	High level output current	t _{po}	Output pulse duration
I _{ph}	Photocurrent (photoelectric current)	t _r	Rise time
I _{ra}	Reverse light current	t _s	Storage time
I _{ro}	Reverse dark current	T _{sd}	Soldering temperature
I _{SD}	Supply current in dark ambient	T _{stg}	Storage temperature range
I _{SH}	Supply current in bright ambient	V _{CEsat}	Collector emitter saturation voltage
I _v	Luminous intensity (of a source, in a given direction)	V _{EBO}	Emitter base voltage, open collector
K	Kelvin	V _{ECO}	Emitter collector voltage, open base
lm	Lumen	V _F	Forward voltage
lx	Lux	V _O	Output voltage
NEP	Noise equivalent power	V _{OH}	Output voltage high
P _{diss}	Power dissipation, general	V _{OL}	Output voltage low
P _{tot}	Total power dissipation	V _R	Reverse voltage
PPT	Package peak temperature	V _S , V _{CC}	Supply voltage
R _{IO}	Input/output isolation resistor	φ = α/2	Angle of half sensitivity, angle of half intensity
R _{is}	Isolation resistance	φ _{1/2}	Angle of half transmission distance
R _L	Load resistance	λ	Wavelength, general
R _{thJA}	Thermal resistance, junction-to-ambient	λ _{0.5}	Range of spectral bandwidth (50 %)
R _{thJC}	Thermal resistance, junction-to-case	λ _p	Wavelength of peak sensitivity or peak emission
S	Sensitivity, absolute	Δλ	Spectral half bandwidth
S(λ)	Absolute spectral sensitivity at a wavelength λ	Φ _e	Radiant flux, radiant power
S(λ) _{rel}	Spectral sensitivity, relative	Ω	Solid angle
S(λ ₀)	Spectral sensitivity at a reference wavelength λ ₀		
S(λ _p)	Spectral sensitivity at a reference wavelength λ _p		