Conventions Used in Presenting Technical Data

SYMBOLS AND TERMINOLOGY (alphabetically)

A	**Radiant sensitive area**
C	**Capacitance**
°C	**Celsius**
C_j	**Junction capacitance**
C_k	**Coupling capacitance**
d	**Distance**
E_A	**Illumination at standard illuminant A**
E_e	**Irradiance** (at a point of a surface)
E_v	**Illuminance** (at a point of a surface)
f	**Frequency**
I_e	**Radiant intensity** (of a source in a given direction)
I_F	**Forward current continuous**
I_{FM}	**Peak forward current**
I_{OH}	**High level output current**
I_{ph}	**Photocurrent** (photoelectric current)
I_{ra}	**Reverse light current**
I_{ro}	**Reverse dark current**
I_{SD}	**Supply current in dark ambient**
I_{SH}	**Supply current in bright ambient**
I_v	**Luminous intensity** (of a source, in a given direction)
K	**Kelvin**
lm	**Lumen**
lx	**Lux**
NEP	**Noise equivalent power**
P_{diss}	**Power dissipation, general**
P_{tot}	**Total power dissipation**
PPT	**Package peak temperature**
R_{IO}	**Input/output isolation resistor**
R_{is}	**Isolation resistance**
R_L	**Load resistance**
R_{thJA}	**Thermal resistance,** junction-to-ambient
R_{thJC}	**Thermal resistance,** junction-to-case
S	**Sensitivity, absolute**
$s(\lambda)$	**Absolute spectral sensitivity** at a wavelength λ
$s(\lambda)_{rel}$	**Spectral sensitivity, relative**
$s(\lambda_0)$	**Spectral sensitivity** at a reference wavelength λ_0
$s(\lambda_p)$	**Spectral sensitivity** at a reference wavelength λ_p
sr	**Steradian**
T	**Period** (duration)
T	**Temperature**
t	**Time**
T_{amb}	**Ambient temperature** (range)
T_{case}	**Case temperature**
t_d	**Delay time**
t_f	**Fall time**
T_j	**Junction temperature**
t_{off}	**Turn-off time**
t_{on}	**Turn-on time**
t_p	**Pulse duration**
t_{pi}	**Input pulse duration**
t_{po}	**Output pulse duration**
t_r	**Rise time**
t_s	**Storage time**
T_{sd}	**Soldering temperature**
T_{stg}	**Storage temperature range**
V_{CEsat}	**Collector emitter saturation voltage**
V_{EBO}	**Emitter base voltage, open collector**
V_{ECO}	**Emitter collector voltage, open base**
V_F	**Forward voltage**
V_O	**Output voltage**
V_{OH}	**Output voltage high**
V_{OL}	**Output voltage low**
V_R	**Reverse voltage**
V_S, V_{CC}	**Supply voltage**
$\varphi = \alpha/2$	**Angle of half sensitivity,** angle of half intensity
$\varphi_{1/2}$	**Angle of half transmission distance**
λ	**Wavelength,** general
$\lambda_{0.5}$	**Range of spectral bandwidth** (50 %)
λ_p	**Wavelength** of peak sensitivity or peak emission
$\Delta\lambda$	**Spectral half bandwidth**
Φ_e	**Radiant flux, radiant power**
Ω	**Solid angle**