

## 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
$R_{IO}$	Input/output isolation resistor	$V_S, V_{CC}$	Supply voltage
$R_{is}$	Isolation resistance	$\varphi = \alpha/2$	Angle of half sensitivity, Angle of half intensity
$R_L$	Load resistance	$\varphi_{1/2}$	Angle of half transmission distance
$R_{thJA}$	Thermal resistance, junction to ambient	$\lambda$	Wavelength, general
$R_{thJC}$	Thermal resistance, junction to case	$\lambda_{0.5}$	Range of spectral bandwidth (50 %)
S	Sensitivity, absolute	$\lambda_p$	Wavelength of peak sensitivity or peak emission
$s(\lambda)$	Absolute spectral sensitivity at a wavelength $\lambda$	$\Delta\lambda$	Spectral half bandwidth
$s(\lambda)_{rel}$	Spectral sensitivity, relative	$\Phi_e$	Radiant flux, radiant power
$s(\lambda_0)$	Spectral sensitivity at a reference wavelength $\lambda_0$	$\Omega$	Solid angle
$s(\lambda_p)$	Spectral sensitivity at a reference wavelength $\lambda_p$		