

PHOTODIODE

1.ELEMENT APPEARANCE

ERP No.	Model No.	Material	Lighting Color	Resin Color
	QS-073	-	Non-Visible	Black

2.ELECTRO-OPTICAL CHARACTERISTICS AT Ta=25°C

Characteristic	Symbol	Condition	Min.	Typ.	Max.	Unit
Reverse breakdown voltage	V_{BR}	$I_R=100\mu A$	35			V
Reverse dark current	I_D	$V_R=10V$			20	nA
Light current	I_L	$E_e=0.5mW/cm^2$ @940nm	60	100		μA
Total capacitance	C_j	$V_R=3V$ $f=1MHz$		20		pF
Wavelength of the max. sensitivity	λ_p			940		nm
Chip size				90x90		mil
Turn-on/Turn-off Time	ton/toff	$V_R=5V$, $R_L=50\Omega$ $\lambda=850nm$		110/60		ns
Viewing angle	2θ			30		deg.

※ I_L 誤差值±15% μA

3.DIMENSIONS UNIT :m/m

Tolerance is ±0.25mm unless otherwise specified.

