e '

QSE113, QSE114

ELECTRICAL CHARACTERISTICS (T_A = 25 C)

Symbol	Parameter	Test Conditions	Min	Тур	Max	Unit
PS	Peak Sensitivity Wavelength		_	880	_	nm
Θ	Reception Angle		-	±25	-	
I _{CEO}	Collector-Emitter Dark Current	V _{CE} = 10 V, Ee = 0	-	-	100	nA
BV _{CEO}	Collector-Emitter Breakdown	I _C = 1 mA	30	-	_	V
BV _{ECO}	Emitter-Collector Breakdown	I _E = 100 μA	5	-	-	V
I _{C(ON)}	On–State Collector Current (Note 5) QSE113 QSE114	$Ee = 0.5 \text{ mW/cm}^2, V_{CE} = 5 \text{ V}$	0.25 1.00	_ _	1.50 –	mA
V _{CE(SAT)}	Saturation Voltage (Note 5)	$Ee = 0.5 \text{ mW/cm}^2$, $I_C = 0.1 \text{ mA}$	-	-	0.4	V

QSE113, QSE114

TYPICAL PERFORMANCE CHARACTERISTICS

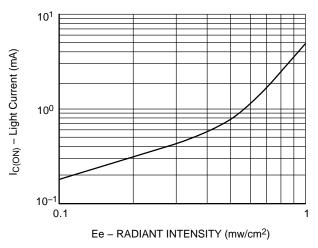


Figure 1. Light Current vs. Radiant Intensity

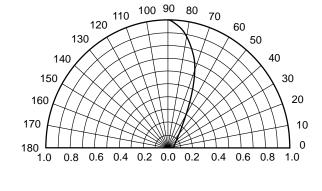


Figure 2. Angular Response Curve

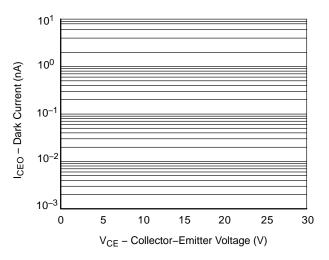


Figure 3. Dark Current vs. Collector – Emitter Voltage

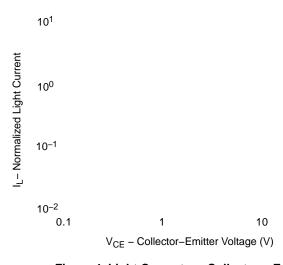


Figure 4. Light Current vs. Collector – Emitter Voltage

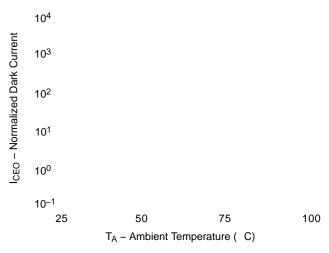
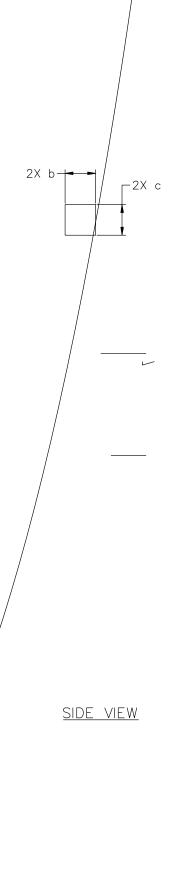


Figure 5. Dark Current vs. Ambient Temperature

SIDELOOKER 4.44x5.08x2.54, 2.54P CASE 100CJ ISSUE A

DATE 26 FEB 2024



OP VIEW

DIMENSION (MILLIMETERS)						
	MIN	N(
			7			
А3	0.64	0.76	0.89			
р	0.51					
			I			
D3	1.78	1.91	2.03			
E	4.83	5.08	5.33			
E1	1.14	1.27	1.40			
e	2.41	2.54	2.67			
øD	1.52	1.65	1.78			
Ш	12.70	13.46				

NOTES:

- 1. DIMENSIONING AND TOLERANCING AS PER ASMEY14.5M, 2018.
- 2. CONTROLLIN

