

## **QEE122, QEE123**

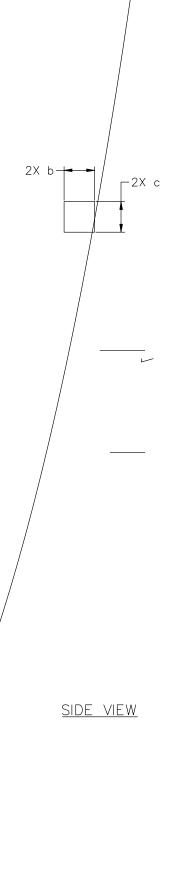
## **ELECTRICAL / OPTICAL CHARACTERISTICS** (T<sub>A</sub> = 25°C unless otherwise noted)

Symbol	Parameter	Conditions	Min	Тур	Max	Unit
$\lambda_{PE}$	Peak Emission Wavelength	I <sub>F</sub> = 20 mA	-	890	-	nm
$TC_\lambda$	Temperature Coefficient		-	0.2	_	nm/°C
2⊖ <sup>1</sup> /2	Emission Angle	I <sub>F</sub> = 100 mA	-	50	_	٥
$V_{F}$	Forward Voltage	$I_F = 100 \text{ mA}, \text{ tp} = 20 \text{ ms}$	-	_	1.7	V
TC <sub>VF</sub>	Temperature Coefficient		-	-6	_	mV/°C
I <sub>R</sub>	Reverse Current	V <sub>R</sub> = 5 V	-	_	10	μΑ
ΙE	Radiant Intensity QEE122	$I_F = 100 \text{ mA}, \text{ tp} = 20 \text{ ms}$	4	9	16	mW/sr
	Radiant Intensity QEE123		8	9	_	
TC <sub>IE</sub>	Temperature Coefficient		-	-0.3	_	%/°C
t <sub>r</sub>	Rise Time	I <sub>F</sub> = 100 mA	-	900	_	ns
t <sub>f</sub>	Fall Time	]	-	800	_	ns
C <sub>j</sub>	Junction Capacitance	V <sub>R</sub> = 0 V	-	11	_	pF

Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

#### 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	
Q	0.51	0.57	0.61	
С	0.51	0.57	0.61	
D	4.32	4.44	4.57	
D1	2/1			
			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	
L	12.70	13.46		

# NOTES:

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

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