

QEE122, QEE123

ELECTRICAL / OPTICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

Symbol	Parameter	Conditions	Min	Typ	Max	Unit
λ_{PE}	Peak Emission Wavelength	I _F = 20 mA	–	890	–	nm
TC _λ	Temperature Coefficient		–	0.2	–	nm/°C
2θ ^{1/2}	Emission Angle	I _F = 100 mA	–	50	–	°
V _F	Forward Voltage	I _F = 100 mA, t _p = 20 ms	–	–	1.7	V
TC _{V_F}	Temperature Coefficient		–	–6	–	mV/°C
I _R	Reverse Current	V _R = 5 V	–	–	10	μA
I _E	Radiant Intensity QEE122	I _F = 100 mA, t _p = 20 ms	4	9	16	mW/sr
	Radiant Intensity QEE123		8	9	–	
TC _{I_E}	Temperature Coefficient		–	–0.3	–	%/°C
t _r	Rise Time	I _F = 100 mA	–	900	–	ns
t _f	Fall Time		–	800	–	ns
C _j	Junction Capacitance	V _R = 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.

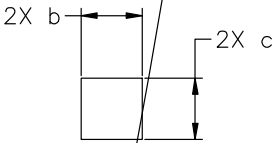
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SIDELOOKER 4.44x5.08x2.54, 2.54P
CASE 100CJ
ISSUE A

DATE 26 FEB 2024



DIMENSION (MILLIMETERS)			
	MIN	NOM	MAX
A3	0.64	0.76	0.89
b	0.51	0.57	0.61
c	0.51	0.57	0.61
D	4.32	4.44	4.57
D1	2.1		
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
ϕD	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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TOP VIEW

SIDE VIEW

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