

EE-SA102 Datasheet



DiGi Electronics Part Number	EE-SA102-DG
Manufacturer	Omron Electronics Inc-EMC Div
Manufacturer Product Number	EE-SA102
Description	SENSOR OPT SLOT PHOTOTRAN PCB MT
Detailed Description	Optical Sensor Through-Beam 0.118" (3mm) Photo transistor PCB Mount

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RFQ Email: Info@DiGi-Electronics.com

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Purchase and inquiry

Manufacturer Product Number:

EE-SA102

Series:

-

Sensing Distance:

0.118" (3mm)

Output Configuration:

Phototransistor

Current - Collector (Ic) (Max):

20 mA

Response Time:

4µs, 4µs

Mounting Type:

Through Hole

Type:

Unamplified

Manufacturer:

Omron Electronics Inc-EMC Div

Product Status:

Obsolete

Sensing Method:

Through-Beam

Current - DC Forward (If) (Max):

50 mA

Voltage - Collector Emitter Breakdown (Max):

30 V

Operating Temperature:

-25°C ~ 85°C

Package / Case:

PCB Mount

Environmental & Export classification

RoHS Status:

RoHS Compliant

ECCN:

EAR99

Moisture Sensitivity Level (MSL):

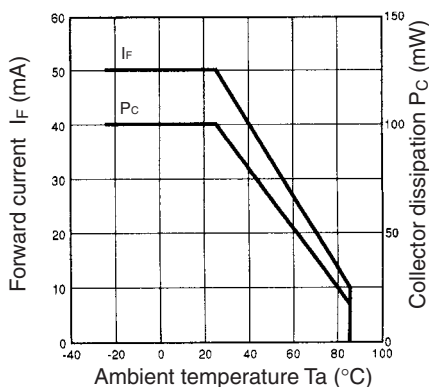
Not Applicable

HTSUS:

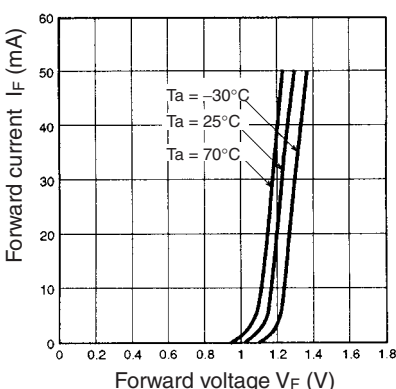
8541.49.8000

Engineering Data

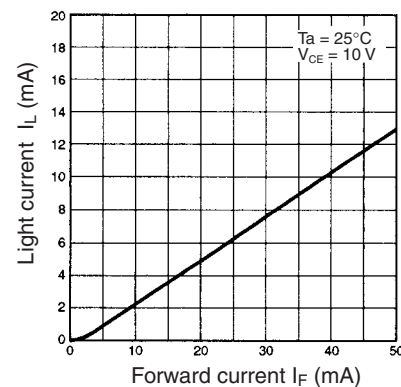
Forward Current vs. Collector Dissipation Temperature Rating



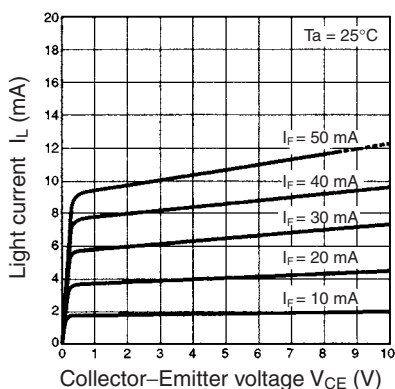
Forward Current vs. Forward Voltage Characteristics (Typical)



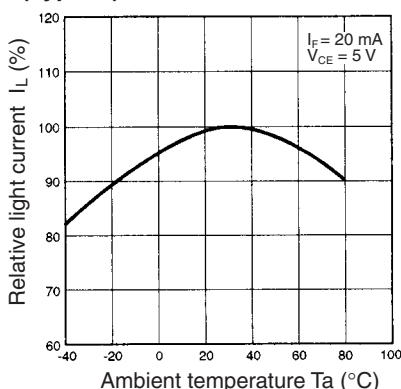
Light Current vs. Forward Current Characteristics (Typical)



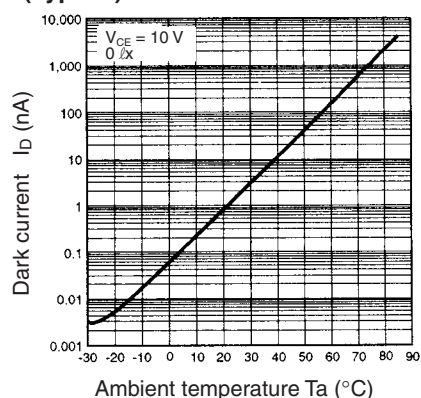
Light Current vs. Collector-Emitter Voltage Characteristics (Typical)



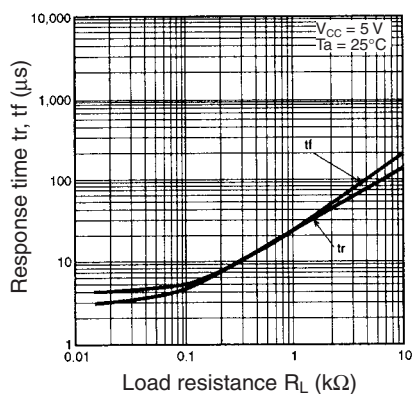
Relative Light Current vs. Ambient Temperature Characteristics (Typical)



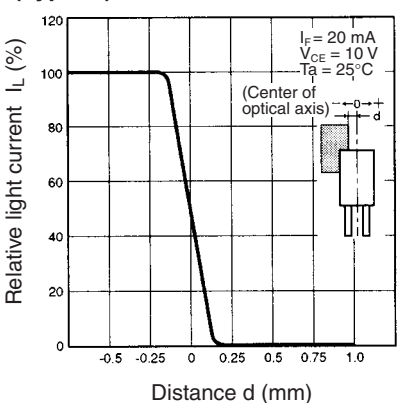
Dark Current vs. Ambient Temperature Characteristics (Typical)



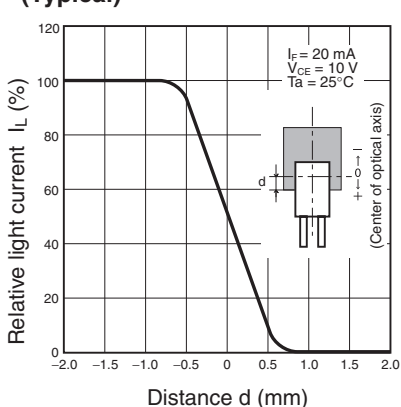
Response Time vs. Load Resistance Characteristics (Typical)



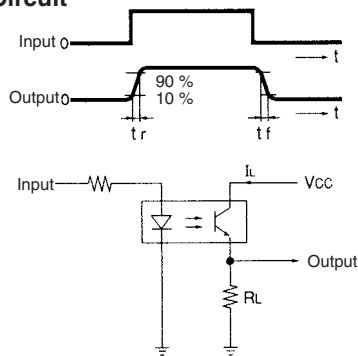
Sensing Position Characteristics (Typical)



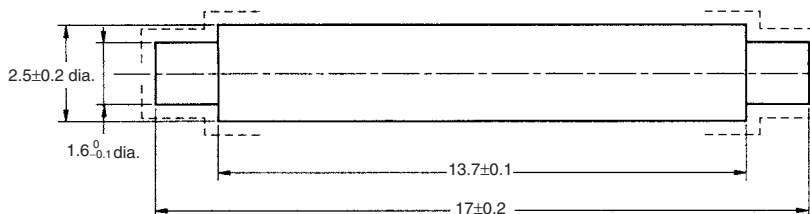
Sensing Position Characteristics (Typical)



Response Time Measurement Circuit



Actuator Dimensions



- Note:
1. Make sure that the portions marked with dotted lines have no burrs.
 2. The material of the actuator must be selected by considering the infrared permeability of the actuator.

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