

## DeviceNumber:R0-1/G-R18C

**n** ABSOLUTE MAXIMUM RATING (Ta=25°C)

Description	Symbol	Value	Unit
Forward Current	IF	30	mA
Reverse Voltage	VR	5	V
Pulse Forward current*1	IFP	100	mA
Operating Temp.	Topr	-20 ~ +85	°C
Storage Temp.	Tstg	-25 ~ +100	°C
Soldering Temp*2	Tsol	+260	°C

## n ELECTRO-OPTICAL CHARACTERISTICS (Ta=25°C)

Description	Symbol	Conditions	Min	Typ	Max	Unit
Forward Voltage	IF	If=20mA	1.75	1.96	2.45	V
Reverse Current	IR	Vr=5V			10	$\mu$ A
Peak wave length	$\lambda$ p	If=20mA	620		630	nm
Viewing Angle $2\theta$ 1/2	$\Delta \theta$			18		deg
Luminous Intensity	IV	If=20mA	6000		9000	mcd

Technical drawing of a cathodic protection anode/cathode assembly. The drawing includes a side view and a top view.

**Side View Dimensions:**

- Total height: 11.7
- Anode height: 2
- Cathode height: 1.5
- Gap between cathode and anode: 0.5
- Width of the assembly: 2.54

**Top View Dimensions:**

- Diameter: 10.9

**Legend:**

- (1) ANODE
- (2) CATHODE

- 1.The data in the specification is measured with SCE's test instrument.
- 2.All dimensions are in millimeters; Lead spacing is measured where the leads emerge from the package.; Protruded resin under flange 1.5mm Max.
- 3.\*1:IFP Conditions--PulseWidth $\leq$ 10msec andDuty $\leq$  1/10.
- 4.\*2:Soldering time $\leq$  5seconds.

APPROVAL BY: