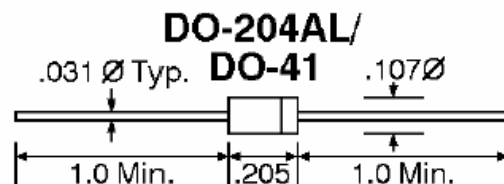


Silicon Rectifier 1.0A

Ordering Code: 1N400X-TCI-TR

Features

- Low Forward Voltage Drop
- High Current Capability
- High Reliability
- High Surge Current Capability



Dimensions in mm

Maximum Ratings & Electrical Characteristics ($T_{Ambient}=25^{\circ}C$ unless noted)

Symbol	Description	1N4001	1N4002	1N4003	1N4004	1N4005	1N4006	1N4007	BY133	UNIT	Conditions
V_{RRM}	Maximum Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	1300	V	
V_{RMS}	Maximum RMS Voltage	35	70	140	280	420	560	700	910	V	
V_{DC}	Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	1300	V	
I_O	Maximum Average Forward Output Rectified Current	1.0								A	.375" (9.5mm) lead length TA = 75 °C
I_{FSM}	Peak Forward Surge Current	30								A	8.3ms single half sine-wave superimposed on rated load (JEDEC method) TL=110°C
V_F	Maximum Instantaneous Forward Voltage	1.1								V	IAV at 1.0 A
I_R	Maximum DC Reverse Current at Rated DC Blocking Voltage	5								μA	TA = 25 °C
		50									TA = 100 °C
C_J	Typical Junction Capacitance	30								pf	note 2
R_{θ-JA}	Typical Thermal Resistance	50								° C/W	Thermal Resistance from Junction to Ambient .375" (9.5mm) lead length
T_J	Operating Temperature Range	-65 to +125								° C	

Note: Resistive or inductive load.
For capacitive load, derate current by 20%.

Mechanical Data

Case:	DO-41 Molded Plastic Use UL 94V-0 Recognized Flame Retardent Epoxy
Terminals:	Axial Leads, Solderable Per MIL-STD-202, Method 208 Guaranteed
Polarity:	Color Band Denotes Cathode End
Mounting Position:	Any

How to contact us:

US HEADQUARTERS

28040 WEST HARRISON PARKWAY, VALENCIA, CA 91355-4162

Tel: (800) TAITRON (800) 247-2232 (661) 257-6060

Fax: (800) TAITFAX (800) 824-8329 (661) 257-6415

Email: taitron@taitroncomponents.com

Http://www.taitroncomponents.com

TAITRON COMPONENTS MEXICO, S.A .DE C.V.

BOULEVARD CENTRAL 5000 INTERIOR 5 PARQUE INDUSTRIAL ATITALAQUIA, HIDALGO

C.P. 42970 MEXICO

Tel: +52-55-5560-1519

Fax: +52-55-5560-2190

TAITRON COMPONETS INCORPORATED E REPRESENTAÇÕES DO BRASIL LTDA

RUA DOMINGOS DE MORAIS, 2777, 2.ANDAR, SALA 24 SAÚDE - SÃO PAULO-SP 04035-001

BRAZIL

Tel: +55-11-5574-7949

Fax: +55-11-5572-0052

TAITRON COMPONETS INCORPORATED, SHANGHAI REPRESENTATIVE OFFICE

CROSS REGION PLAZA, 899 LINGLING ROAD, SUITE 18C, SHANGHAI, 200030, CHINA

Tel: +86-21-54249942

Fax: +86-21-5424-9931