

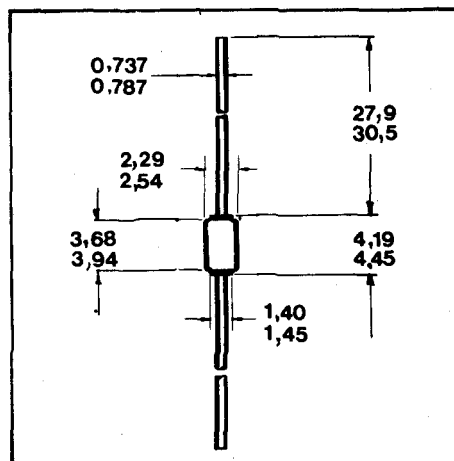
IN4000 Series 1 amp Rectifiers

D041 Package

REFERENCE TABLE

Code	Stock No.
IN4001	35246X
IN4002	35247R
IN4003	35248G
IN4004	35249E

PHYSICAL DIMENSIONS



ABSOLUTE MAXIMUM RATINGS

Storage Temperature	-65°C to +200°C
Operating Junction Temperature	175°C

		IN4001	IN4002	IN4003	IN4004
$V_{RM (rep)}$	Peak Repetitive Reverse Voltage	50V	100V	200V	400V
$V_{RM (wkg)}$	Working Peak Reverse Voltage	50V	100V	200V	400V
V_R	DC Blocking Voltage	50V	100V	200V	400V
$V_{RM (non-rep)}$	Non-Repetitive Peak Reverse Voltage (half-wave, single phase, 60 Hz Peak)	50V	100V	200V	400V
V_{RM}	rms Input Voltage	35V	70V	140V	280V
I_A	Average Rectified Forward Current	1.0A	1.0A	1.0A	1.0A
$I_{FM (surge)}$	Non-Repetitive Peak Surge Current	30A	30A	30A	30A

ELECTRICAL CHARACTERISTICS (25°C Ambient Temperature unless otherwise noted)

Symbol	Characteristic	Typ.	Max.	Units	Test Conditions
V_F	Maximum Instantaneous Forward Voltage Drop	0.95	1.10	V	$I_F = 1.0A$
$V_F (AV)$	Maximum Full Cycle Average Forward Voltage Drop	0.75	0.80	V	$I_A = 1.0A, T_A = 75^\circ C$
I_R	Maximum Reverse Current	0.01	10	μA	(Rated dc Voltage) $T_A = 100^\circ C$
$I_R (AV)$	Maximum Full Cycle Average Reverse Current	1.0	30	μA	(Rated Reverse Voltage and I_A)

PLEASE QUOTE STOCK NO. AND MANUFACTURER'S CODE WHEN ORDERING