

1N5400 THRU 1N5408

GENERAL PURPOSE SILICON RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 3.0 Amperes

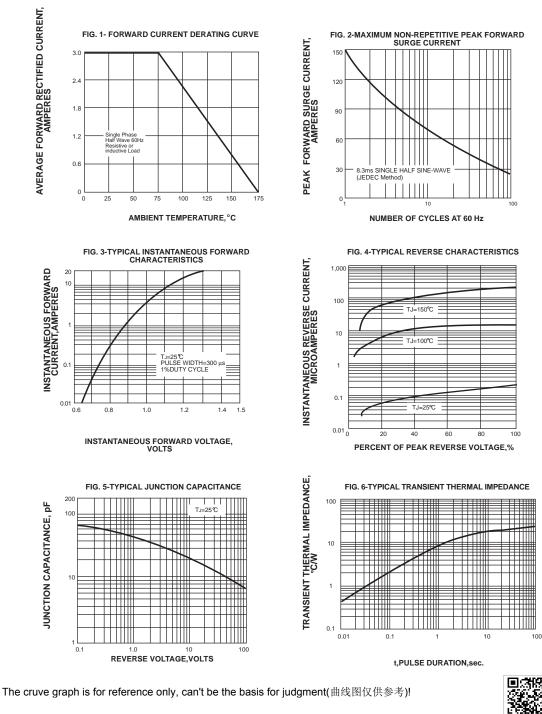
		FEATURES									
$\begin{array}{c} DO-201AD \\ & & \\ & \\ & \\ 0.220(5.6) \\ & \\ 0.197(5.0) \\ D/A \end{array} \\ \end{array}$	+ (+ (+ +	Flami Const nolde Low r High t High t 250°C	mabi tructi ed pla ever forwa temp C/10	lity C ion ui astic se le ard s beratu secol	lassif tilizes techr akage urge urge so	ficatio void nique e curre olderi 0.375	n 94\ l-free nt cap ng gu	V-0 Dabilit	ty teed:	s Labo	pratory
				ME	СНА		AL D	ΑΤΑ			
Dimensions in inches and (millimeters)	Tern Meth Pola Mou Weig	ninals od 2 rity: nting ght:0	s: Pla 026 Colo g Po s .04 c	ated or bar sition ounce	axial nd dei n: Any e, 1.10	leads notes y 0 gra	s cath ms	derab ode e	le pe	dy r MIL-	•STD-750,
Ratings at 25°C ambient temperature unless otherwise sp	ecified.	مامع									
Single phase half-wave 60Hz, resistive or inductive load, fo	ecified. or capacitiv	1N	d curr	ent de	erate	by 20 ^o	%. 1N	1N	1N	1N	UNITS
Single phase half-wave 60Hz, resistive or inductive load, for MDD Catalog Number	or capacitiv	1N 5400	d curr 1N 5401	ent de 1N 5402	erate 1N 5403	by 20° 1N 5404	%. 1N 5405	1N 5406	5407	5408	
Single phase half-wave 60Hz, resistive or inductive load, fo	or capacitiv SYMBOLS VRRM	1N	d curr 1N 5401	ent de	erate 1N 5403	by 20 ^o	%. 1N	1N	5407		UNITS VOLTS VOLTS
Single phase half-wave 60Hz,resistive or inductive load,fo MDD Catalog Number Maximum repetitive peak reverse voltage	or capacitiv	1N 5400 50	d curr 1N 5401 100 70	ent de 1N 5402 200	erate 1N 5403 300	by 20 ^o 1N 5404 400	%. 1N 5405 500	1N 5406 600	5407 800	5408 1000 700	VOLTS
Single phase half-wave 60Hz,resistive or inductive load,fo MDD Catalog Number Maximum repetitive peak reverse voltage Maximum RMS voltage	or capacitiv SYMBOLS VRRM VRMS	1N 5400 50 35	d curr 1N 5401 100 70	ent de 1N 5402 200 140	erate 1N 5403 300 210	by 20 ^o 1N 5404 400 280	%. 1N 5405 500 350	1N 5406 600 420	5407 800 560	5408 1000 700	VOLTS VOLTS
Single phase half-wave 60Hz, resistive or inductive load, for MDD Catalog Number Maximum repetitive peak reverse voltage Maximum RMS voltage Maximum DC blocking voltage Maximum average forward rectified current	SYMBOLS VRRM VRMS VDC	1N 5400 50 35	d curr 1N 5401 100 70	ent de 1N 5402 200 140	erate 1N 5403 300 210	by 20 ⁶ 1N 5404 400 280 400	%. 1N 5405 500 350	1N 5406 600 420	5407 800 560	5408 1000 700	VOLTS VOLTS VOLTS
Single phase half-wave 60Hz, resistive or inductive load, for MDD Catalog Number Maximum repetitive peak reverse voltage Maximum RMS voltage Maximum DC blocking voltage Maximum average forward rectified current 0.375" (9.5mm) lead length at TA=75°C Peak forward surge current 8.3ms single half sine-wave superimposed on	DT CAPACITIV SYMBOLS VRRM VRMS VDC I(AV)	1N 5400 50 35	d curr 1N 5401 100 70	ent de 1N 5402 200 140	erate 1N 5403 300 210	by 200 1N 5404 400 280 400 3.0	%. 1N 5405 500 350	1N 5406 600 420	5407 800 560	5408 1000 700	VOLTS VOLTS VOLTS Amps
Single phase half-wave 60Hz, resistive or inductive load, for MDD Catalog Number Maximum repetitive peak reverse voltage Maximum RMS voltage Maximum DC blocking voltage Maximum average forward rectified current 0.375" (9.5mm) lead length at TA=75°C Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	DT CAPACITIV SYMBOLS VRRM VRMS VDC I(AV) IFSM	1N 5400 50 35	d curr 1N 5401 100 70	ent de 1N 5402 200 140	erate 1N 5403 300 210	by 20 ⁴ 1N 5404 400 280 400 3.0 150	%. 1N 5405 500 350	1N 5406 600 420	5407 800 560	5408 1000 700	VOLTS VOLTS VOLTS Amps Amps
Single phase half-wave 60Hz, resistive or inductive load, for MDD Catalog Number Maximum repetitive peak reverse voltage Maximum RMS voltage Maximum DC blocking voltage Maximum average forward rectified current 0.375" (9.5mm) lead length at TA=75°C Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method) Maximum instantaneous forward voltage at 3.0A Maximum DC reverse current TA=25°C	Dr capacitiv SYMBOLS VRRM VRMS VDC I(AV) IFSM VF	1N 5400 50 35	d curr 1N 5401 100 70	ent de 1N 5402 200 140	erate 1N 5403 300 210	by 20° 1N 5404 400 280 400 3.0 150 1.2 5.0	%. 1N 5405 500 350 500	1N 5406 600 420	5407 800 560	5408 1000 700	VOLTS VOLTS VOLTS Amps Amps Volts µA pF
Single phase half-wave 60Hz, resistive or inductive load, for MDD Catalog Number Maximum repetitive peak reverse voltage Maximum RMS voltage Maximum DC blocking voltage Maximum average forward rectified current 0.375" (9.5mm) lead length at Ta=75°C Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method) Maximum instantaneous forward voltage at 3.0A Maximum DC reverse current Ta=25°C at rated DC blocking voltage Ta=100°C	DT CAPACITIV SYMBOLS VRRM VRMS VDC I(AV) IFSM VF IR	1N 5400 50 35	d curr 1N 5401 100 70	ent de 1N 5402 200 140	erate 1N 5403 300 210	by 20° 1N 5404 400 280 400 3.0 150 1.2 5.0 100	%. 5405 500 350 500	1N 5406 600 420	5407 800 560	5408 1000 700	VOLTS VOLTS VOLTS Amps Amps Volts µA

Note:1.Measured at 1MHz and applied reverse voltage of 4.0V D.C.

2. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted



RATINGS AND CHARACTERISTIC CURVES 1N5400 THRU 1N5408



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