

General Purpose Rectifier

Features

- High efficiency
- High current capability
- High reliability
- High surge current capability
- Low power loss

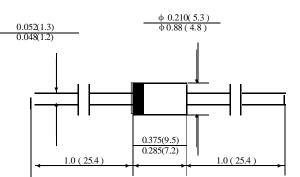
Mechanical Data

- **Package:** JEDEC DO-27.melded plastic Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- Terminals: Axial leads.Solderable per MIL-STD-750.Method 2026
- Polarity: Color band denotes cathode end

1N5400~1N5408

RoHS

COMPLIANT



DO-27

inch (mm)

Maximum Ratings (Ta=25°C Unless otherwise specified)

PARAMETER	SYMBOL	1N5400	1N5401	1N5402	1N5404	1N5406	1N5407	1N5408	UNIT
Device marking code		1N5400	1N5401	1N5402	1N5404	1N5406	1N5407	1N5408	
Repetitive Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Average Forward Current @60Hz Half-sine wave, Resistance load, Ta=50 °C	I _{F(AV)}		3.0						
Surge(Non-repetitive)Forward Current @60HZ Half-sine wave, 1 cycle, Ta=25°C	IFSM		150						А
Storage Temperature	Tstg	-55 ~+150						°C	
Junction Temperature	Tj	-55~+125						°C	

Electrical Characteristics ($T_a=25^{\circ}C$ Unless otherwise specified)

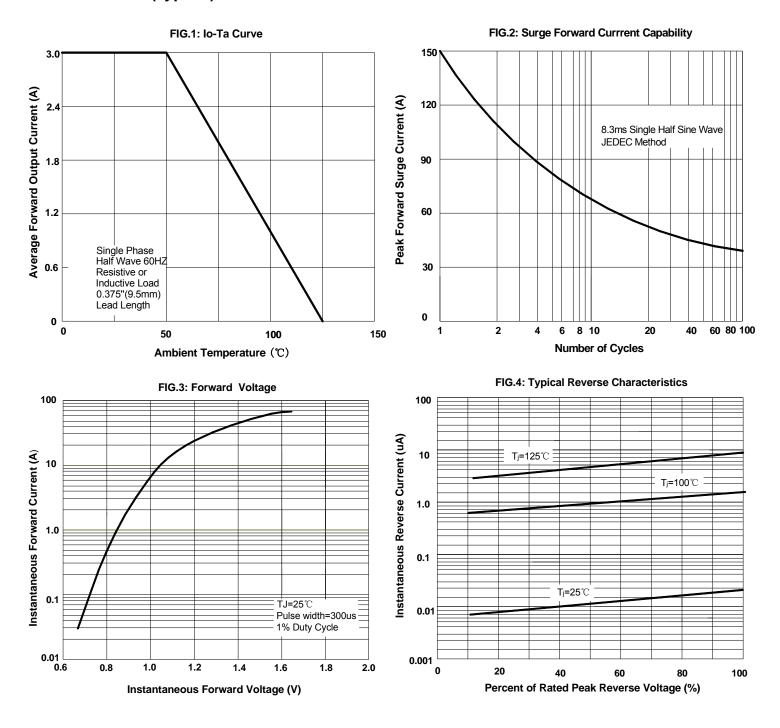
PARAMETER	SYMBOL	TEST CONDITIONS	1N5400	1N5401	1N5402	1N5404	1N5406	1N5407	1N5408	UNIT
Maximum instantaneous forward voltage drop per diode	V_{FM}	IFM=3.0A				1.0				V
Maximum DC reverse current at rated DC blocking voltage per diode	I _{RRM1}	T _a =25℃	2.5							
	I _{RRM2}	Ta=100℃	50							
Typical junction capacitance	Cj	Measured at 1MHZ and Applied Reverse Voltage of 4.0 V.D.C.				50				pF



1N5400~1N5408

Thermal Characteristics (T _a =25°C Unless otherwise specified)											
	PARAMETER	SYMBOL	UNIT	1N5400	1N5401	1N5402	1N5404	1N5406	1N5407	1N5408	
	Thermal Resistance(Typical)	$R_{\theta J-A}$	°C/W				20				

Characteristics (Typical)





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