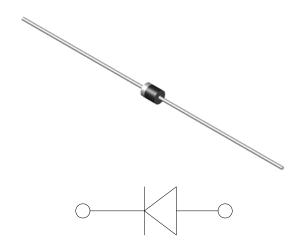




General Purpose Rectifier



Features

- High efficiency
- · High current capability
- High reliability
- High surge current capability
- Low power loss
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Mechanical Data

• Package: R-1

Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant, Halogen free

- **Terminals**: Tin plated leads, solderable per J-STD-002 and JESD22-B102
- Polarity: Color band denotes cathode end

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

			•	-					
PARAMETER	SYMBOL	UNIT	1A1	1A2	1A3	1A4	1A5	1A6	1A7
Device marking code			1A1	1A2	1A3	1A4	1A5	1A6	1A7
Repetitive Peak Reverse Voltage	VRRM	٧	50	100	200	400	600	800	1000
Average Forward Current @60Hz sine wave, Resistance load, Ta =50°C	I _{F(AV)}	Α	1.0						
Surge(Non-repetitive)Forward Current @ 60Hz Half-sine wave,1 cycle, Ta=25°C	IFSM	Α	30						
Storage Temperature	T _{stg}	$^{\circ}$	-55 ~+150						
Junction Temperature	Tj	$^{\circ}$	-55~+125						

■Electrical Characteristics (T_a=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	1A1	1A2	1A3	1A4	1A5	1A6	1A7
Maximum instantaneous forward voltage drop per diode	V _{FM}	٧	IFM=1.0A	1.0						
Maximum DC reverse current at	I _{RRM1}	_	T _a =25℃	2.5						
rated DC blocking voltage per diode		μA	T _a =100℃	50						
Typical junction capacitance	Cj	pF	Measured at 1MHZ and Applied Reverse Voltage of 4.0 V.D.C.	12						

■Thermal Characteristics (T_a=25°C Unless otherwise specified)

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PARAMETER	SYMBOL	UNIT	1A1	1A2	1A3	1 A 4	1A5	1A6	1A7
Thermal Resistance(Typical)	$R_{\theta J-A}$	°C/W	85						

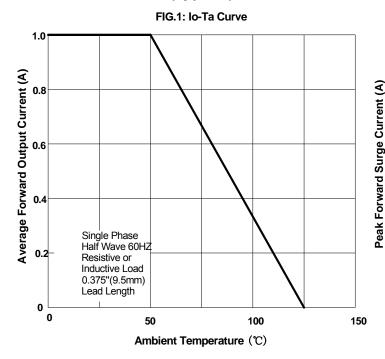
■Ordering Information (Example)

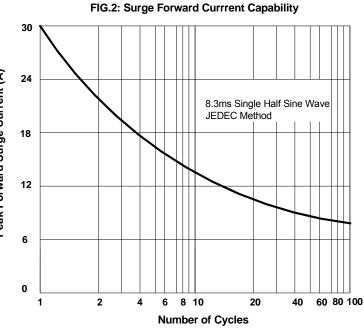
PREFERED P/N	PACKAGE CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE	
1A1~1A7	D1	Approximate 0.19	Approximate 5000	5000	50000	Tape	
1A1~1A7	C1	Approximate 0.19	Approximate 1000	1000	50000	Bulk	

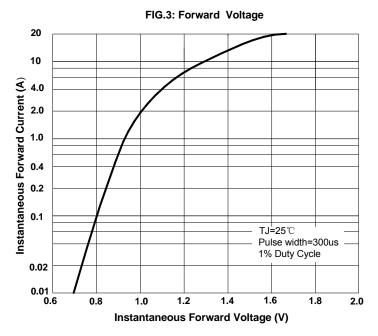


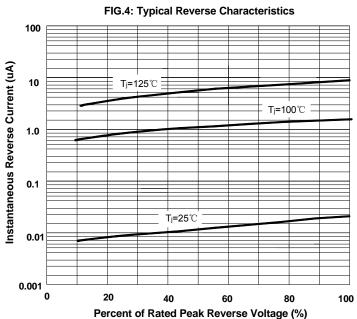


■ Characteristics (Typical)





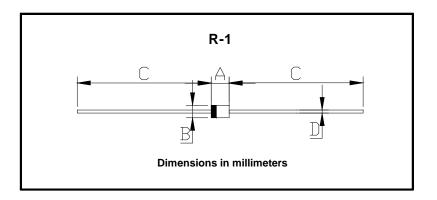








■ Outline Dimensions



R-1						
Dim	Min	Max				
Α	3.00	3.30				
В	2.00	2.70				
С	25.4	1				
D	0.53	0.64				



1A1 THRU 1A7

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