PLASTIC SILICON RECTIFIERS

Features

- Low forward voltage
- High current capability
- Low leakage current
- High surge capability
- · Low cost

DO-201AD .052 (1.3) .048 (1.2) DIA. 1.0 (25.4) MIN. 375 (9.5) .335 (8.5) .220 (5.6) .197 (5.0) DIA. 1.0 (25.4) MIN. Dimensions in inches and (millimeters)

Mechanical Data

Case: Molded plastic body, DO-201AD

Absolute Maximum Ratings and Characteristics

Ratings at 25 °C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Parameter	Symbols	BY251	BY252	BY253	BY254	BY255	Units
Maximum Repetitive Peak Reverse Voltage	V _{RRM}	200	400	600	800	1300	V
Maximum RMS Voltage	V _{RMS}	140	280	420	560	910	V
Maximum DC Blocking Voltage	V _{DC}	200	400	600	800	1300	V
Maximum Average Forward Rectified Current	I _(AV)	3					А
Peak Forward Surge Current 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC Method)	I _{FSM}	100					A
Maximum Forward Voltage at 3 A DC	V _F	1.1					V
Maximum Reverse Currentat $T_A = 25 ^{\circ}C$ at Rated DC Blocking Voltage $T_A = 100 ^{\circ}C$	I _R	20 100					μA
Typical Thermal Resistance to Ambient Air	$R_{ ext{ heta}JA}$	20					°C/W
Operating and Storage Temperature Range	T _j , T _{stg}	- 55 to + 150					°C

listed on the Hong Kong Stock Exchange, Stock Code: 724)















Dated : 14/05/2009