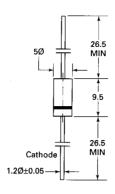
BY251...BY255 **PLASTIC SILICON RECTIFIERS**

FEATURES

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



VOLTAGE RANCE 200 to 1300 Volts **CURRENT** 3.0 Amperes

Dimensions in mm

Absolute Maximum Ratings (T_a= 25 °C)

	Symbo	l Value	Unit
Repetitive Peak Reverse Voltage	BY251 V _{RRM}	200	V
	BY252 V _{RRM}	400	V
	BY253 V _{RRM}	600	V
	BY254 V _{RRM}	800	V
	BY255 V _{RRM}	1300	V
Nminal Current at Halfe Wave Rectificatin		3 ¹⁾	А
with Resistive Lad at T _{amb} = 25 °C	¹ FAV		
Repetitive Peak Forward Current, Θ < 40 °, f >15Hz, T_{amb} = 25 °C		201)	A
Surge Forward Current, Half Cycle 50Hz, starting from T _j = 25 °C		100	А
Junction Temperature		150	°C
Ambient Operating Temperature Range		-40 + 150	°C
Strage Temperature Range		-40 + 150	°C





BY251...BY255 PLASTIC SILICON RECTIFIERS

Characteristics at $T_{amb} = 25 \, ^{\circ}\text{C}$

	Symbol	Min.	Тур.	Max.	Unit
Forward Voltage at I _F = 3 A	V _F	-	-	1.0	V
Leakage Current at V _{RRM}	I _R	•	-	20	μА
Thermal Resistance Junction to Ambient Air	R _{thA}	-	-	301)	K/W

