

# Technical Data

## DIODE



### maximum ratings

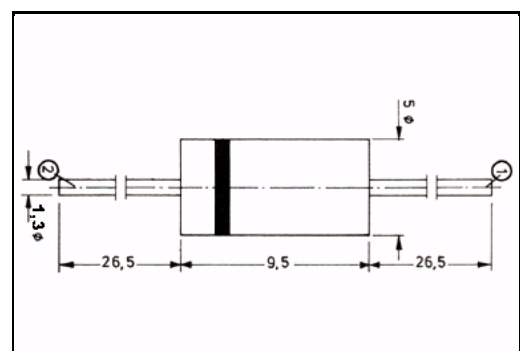
Voltage, Reverse (VR)	45.0	V	NO.	BYS26-45
Voltage, Reverse Peak (VRM)	45.0	V	TYPE	SCHOTTKY
Current at VR = 0V (IO)		A		
Current Average Rectified (IF)	3.0	A		
Current Surge Peak (IFM)		A	CASE	DO-201AD
Current, Surge (IFM) at tp = 10 ms	120.0	A		
Max. Power Dissipation (PT) at TC = °C		W		
Max. Thermal Resistance (Rth J-A)	12.0	°C/W		
Max. Junction Temperature (TJ)	125.0	°C		

### PERFORMANCE CHARACTERISTICS at $T_c = 25^\circ\text{C}$ , unless otherwise noted

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	VF	IF = 3.0 A (1)	-	0.55	V
2.	IR	VR = 45.0 V	-	5.0	mA
3.	CT	VR = 5.0 V (2)	-	300.0	pF
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Notes (1) pulse-tested  $t_p \leq 300 \mu\text{s}$ , duty cycle  $\leq 2\%$   
 (2) typical value

DIMENSIONS  
in mm



Marking BYS26-45  
 Customer GENERAL PURPOSE