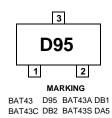
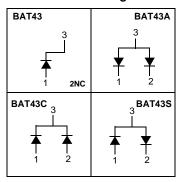


BAR43/A/C/S





Connection Diagram



Schottky Diodes

Absolute Maximum Ratings * T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
V_{RRM}	Maximum Repetitive Reverse Voltage	30	V
I _{F(AV)}	Average Rectified Forward Current	200	mA
I _{FSM}	Non-repetitive Peak Forward Surge Current Pulse Width = 1.0 second	750	mA
T _{STG}	Storage Temperature Range	-55 to +150	°C
T.1	Operating Junction Temperature	150	°C

^{*} These ratings are limiting values above which the serviceability of the diode may be impaired.

Thermal Characteristics

Symbol	Parameter	Value	Units
P _D	Power Dissipation	290	mW
$R_{\theta JA}$	Thermal Resistance, Junction to Ambient	430	°C/W

Electrical Characteristics T_A=25°C unless otherwise noted

Symbol	Parameter	Test Conditions	Min.	Max.	Units
V _R	Breakdown Voltage	I _R = 100μA	30		V
V _F	Forward Voltage	$I_F = 2.0 \text{mA}$ $I_F = 15 \text{mA}$ $I_F = 100 \text{mA}$	260	330 450 0.8	mV mV V
I _R	Reverse Leakage	$V_R = 25V$ $V_R = 25V$, $T_a = 100$ °C		0.5 100	μA μA
t _{rr}	Reverse Recovery Time	$I_F = I_R = 10 \text{mA}, I_{RR} = 1.0 \text{mA},$ $R_L = 100 \Omega$		5.0	ns
	Minimum Detection Recovery Time $I_F = I_R = 10 \text{mA}, I_{RR} = 1.0 \text{mA},$ $R_L = 100 \Omega$			80%	

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Definition of Terms

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