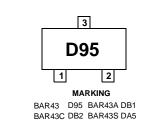
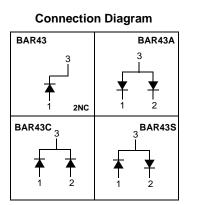


BAR43/A/C/S Schottky Rectifiers

SOT-23





Absolute Maximum Ratings * $T_a = 25^{\circ}C$ 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 Current Pulse Width = 1.0 second	750	mA
T _{STG}	Storage Temperature Range	-55 to +150	٥°
T _{Jmax}	Operating Junction Temperature	150	٥°

* These ratings are limiting values above which the serviceability of any semiconductor device may by impaired.

Thermal Characteristics

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

Electrical Characteristics T_C = 25°C unless otherwise noted

Symbol	Parameter			Max.	Units	
V _R	Breakdown Voltage			30	V	
V _F	Forward Voltage	$I_F = 2.0mA$ 260 $I_F = 15mA$ $I_F = 100mA$		330 450 0.8	mV mV V	
I _R	Reverse Leakage	$V_{R} = 25V$ $V_{R} = 25V, T_{a} = 100^{\circ}C$		0.5 100	μΑ μΑ	
t _{rr}	Reverse Recovery Time	$I_F = I_R = 100$ mA, $I_{RR} = 1.0$ mA $R_L = 100\Omega$		5.0	ns	
	Minimum Detection Recovery Time $I_F = I_R = 100$ mA, $I_{RR} = 1.0$ mA, $R_L = 100\Omega$		= 100Ω	80%		

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IntelliMAX[™] ISOPLANAR[™] LittleFET[™] MICROCOUPLER[™] MicroFET[™] MicroPak[™] MICROWIRE[™] MSX[™] MSXPro[™] OCX[™] OCX[™] OCXPro[™] OPTOLOGIC[®] OPTOPLANAR[™] PACMAN[™] POPTM Power247TM PowerEdgeTM PowerSaverTM PowerTrench[®] QFET[®] QSTM QT OptoelectronicsTM Quiet SeriesTM RapidConfigureTM RapidConnectTM µSerDesTM SILENT SWITCHER[®] SMART STARTTM SPM[™] Stealth[™] SuperFET[™] SuperSOT[™]-3 SuperSOT[™]-6 SuperSOT[™]-8 SyncFET[™] TinyLogic[®] TINYOPTO[™] TruTranslation[™] UHC[™] UHtraFET[®] UniFET[™] VCX[™]

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PRODUCT STATUS DEFINITIONS

Definition of Terms

Datasheet Identification	Product Status	Definition
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No Identification Needed	Full Production	This datasheet contains final specifications. Fairchild Semiconductor reserves the right to make changes at any time without notice in order to improve design.
Obsolete	Not In Production	This datasheet contains specifications on a product that has been discontinued by Fairchild semiconductor. The datasheet is printed for reference information only.

Rev. 115