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Fairchild Semiconductor 1N4446

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>



		1N4446					
Small S	Signal Diode	DO-35 Color Band Denotes Cathode					
	Maximum Ratings*	Value		Unito			
Symbol		ameter	Value	•	Units		
V _{RRM}	Maximum Repetitive Reverse Vo		100		V		
I _{F(AV)}	Average Rectified Forward Curre Non-repetitive Peak Forward Su		200 mA				
I _{FSM}	Pulse Width = 1.0 se	1.0		А			
	Pulse Width = 1.0 mi	crosecond	4.0		А		
T _{stg}	Storage Temperature Range	-65 to +2	00	°C			
Tj	Operating Junction Temperature	175		°C			
OTES:	limiting values above which the serviceability of a based on a maximum junction temperature of 2						
otes: These ratings are These are steady Thermal Symbol P _D R _{0JA}	e based on a maximum junction temperature of 2 state limits. The factory should be consulted on Characteristics Para Power Dissipation Thermal Resistance, Junction to	00 degrees C. applications involving pulsed or low duty cycle operat ameter Ambient	ions. Value 500 300		Units mW °C/W		
These ratings are These ratings are These are steady Thermal Symbol P _D R _{0JA}	e based on a maximum junction temperature of 2 state limits. The factory should be consulted on Characteristics Para Power Dissipation	00 degrees C. applications involving pulsed or low duty cycle operat ameter Ambient	Value 500	Max	mW		
DTES: These ratings arr These are steady Thermal Symbol P _D R _{6JA} Electrica	e based on a maximum junction temperature of 2 state limits. The factory should be consulted on Characteristics Para Power Dissipation Thermal Resistance, Junction to I Characteristics	20 degrees C. applications involving pulsed or low duty cycle operat ameter Ambient 'C unless otherwise noted	Value 500 300		mW °C/W		
DTES: These ratings arr These are steady Thermal Symbol P _D R _{8JA} Electrica Symbol	e based on a maximum junction temperature of 2 y state limits. The factory should be consulted on Characteristics Para Power Dissipation Thermal Resistance, Junction to I Characteristics T _A =25 Parameter	200 degrees C. applications involving pulsed or low duty cycle operations ameter Ambient C unless otherwise noted Test Conditions $I_R = 100 \ \mu A$ $I_F = 20 \ mA$	Value 500 300		mW °C/W		
DTES: These ratings arr These are steady Thermal Symbol P _D R _{0JA} Electrica Symbol V _R	e based on a maximum junction temperature of 2 state limits. The factory should be consulted on Characteristics Para Power Dissipation Thermal Resistance, Junction to I Characteristics T _A =25 Parameter Breakdown Voltage	$\begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \begin{array}{c} \end{array} \\ \end{array} \end{array} \end{array} \end{array} \end{array} \\ \hline \begin{array}{c} \begin{array}{c} \end{array} \end{array} \\ \hline \end{array} \end{array} \\ \hline \end{array} \end{array} \\ \hline \end{array} $ \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \hline \\ \hline \end{array} \\ \hline \\ \hline \\ \hline \end{array} \\ \hline \\ \\	Value 500 300	Max 1.0 25	mW °C/W Units V V V nA		
DTES: These ratings arr These are steady Chermal Symbol P _D R _{вJA} Electrica Symbol V _R V _F	e based on a maximum junction temperature of 2 estate limits. The factory should be consulted on Characteristics Para Power Dissipation Thermal Resistance, Junction to I Characteristics T _A =25 Parameter Breakdown Voltage Forward Voltage	200 degrees C. applications involving pulsed or low duty cycle operations ameter Ambient C unless otherwise noted Test Conditions $I_R = 100 \ \mu A$ $I_F = 20 \ mA$	Value 500 300	Max	mW °C/W Units V V		

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