imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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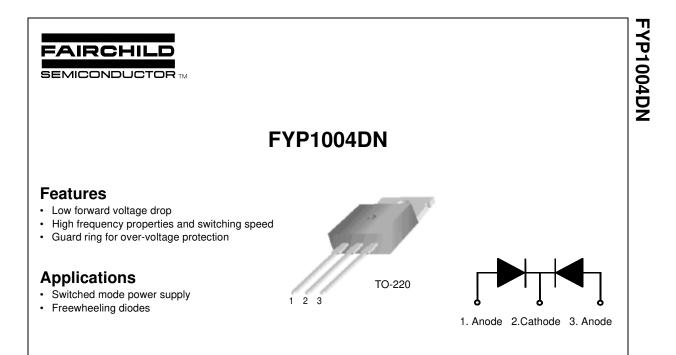
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Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Maximum Repetitive Reverse Voltage	40	V
V _R	Maximum DC Reverse Voltage	40	V
I _{F(AV)}	Average Rectified Forward Current @ $T_C = 137^{\circ}C$	10	Α
I _{FSM}	Non-repetitive Peak Surge Current (per diode) 60Hz Single Half-Sine Wave	80	A
T _{J,} T _{STG}	Operating Junction and Storage Temperature	-65 to +150	°C

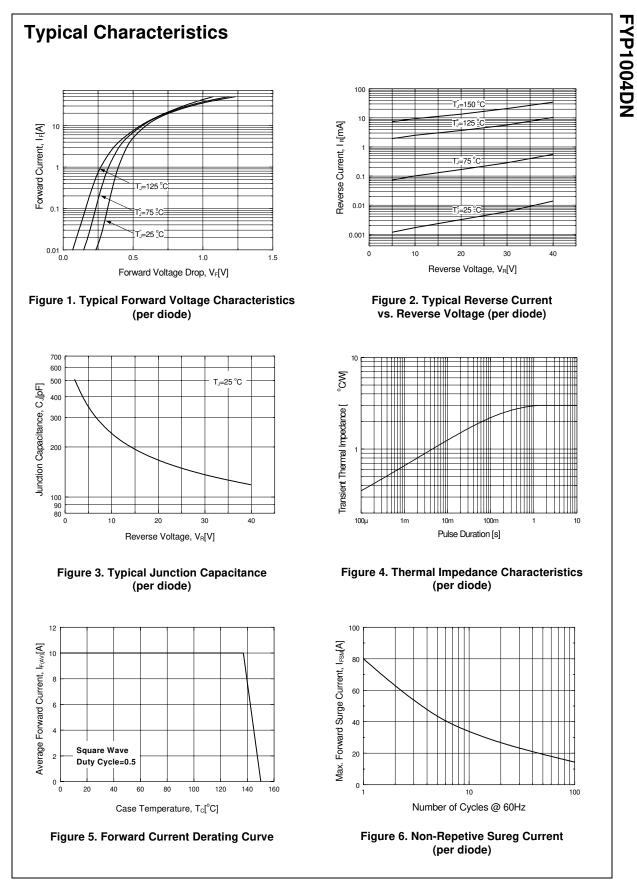
Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{ extsf{ heta}JC}$	Maximum Thermal Resistance, Junction to Case (per diode)	3.0	°C/W

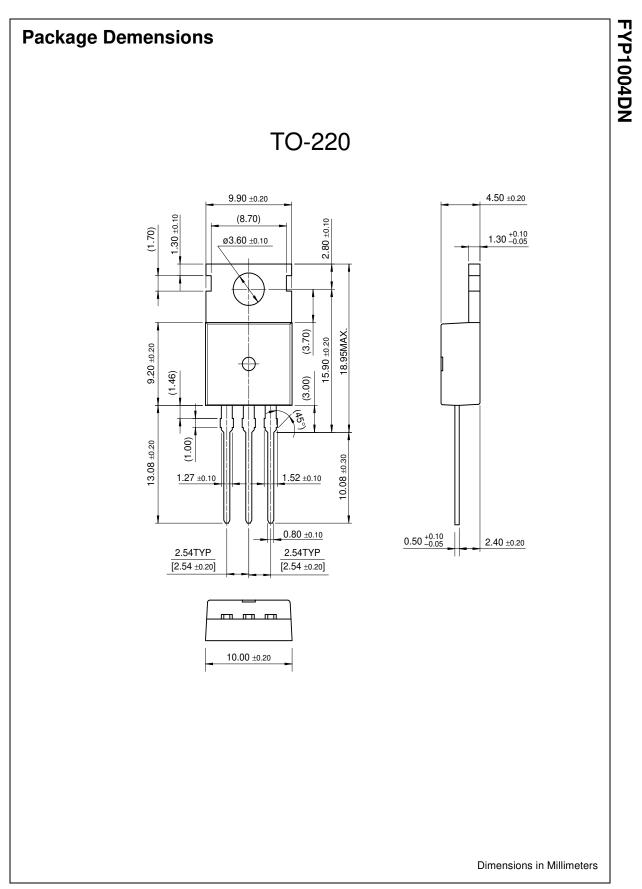
Electrical Characteristics (per diode)

Symbol	Parameter		Value	Units
V _{FM} *	Maximum Instantaneous Forward Voltage			V
	I _F = 5A	T _C = 25 °C	0.55	
	$I_F = 5A$	T _C = 25 °C T _C = 125 °C	0.49	
	$I_F = 10A$	T _C = 25 °C	0.67	
	I _F = 10A	T _C = 125 °C	0.65	
I _{RM} *	Maximum Instantaneous Reverse Current			mA
	@ rated V _R	T _C = 25 °C	1	
		T _C = 25 °C T _C = 125 °C	40	

* Pulse Test: Pulse Width=300µs, Duty Cycle=2%



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2. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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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.
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