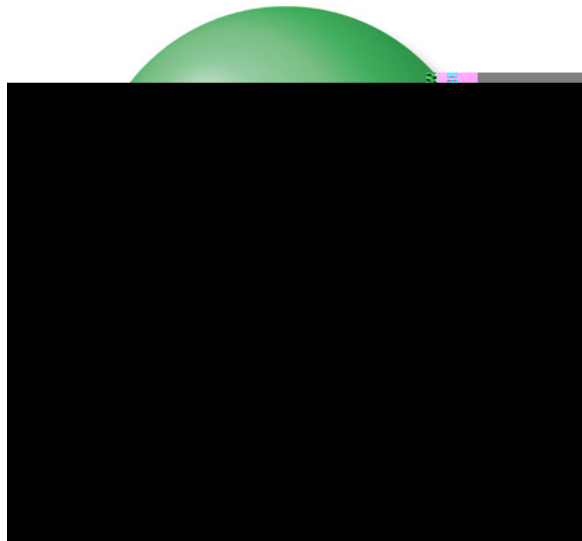




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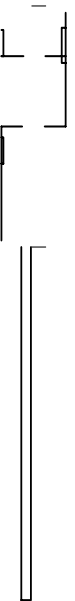
Please note: As part of the Fairchild Semiconductor integration, some of the Fairchild orderable part numbers will need to change in order to meet ON Semiconductor's system requirements. Since the ON Semiconductor product management systems do not have the ability to manage part nomenclature that utilizes an underscore (_), the underscore (_) in the Fairchild part numbers will be changed to a dash (-). This document may contain device numbers with an underscore (_). Please check the ON Semiconductor website to verify the updated device numbers. The most current and up-to-date ordering information can be found at www.onsemi.com. Please email any questions regarding the system integration to Fairchild_questions@onsemi.com.



	Junction Temperature	150	°C
T _{STG}	Storage Temperature	- 65 ~ 150	°C

Symbol	Parameter	Test Condition	Min.	Typ.	Max.	Units
V _{CEO(sus)}	*Collector-Emitter Sustaining Voltage					
	: BD675A	I _C = 50mA, I _B = 0	45			V
	: BD677A		60			V
	: BD679A		80			V
	: BD681		100			V
I _{CBO}	Collector-Base Voltage	: BD675A	V _{CB} = 45V, I _E = 0		200	μA
		: BD677A	V _{CB} = 60V, I _E = 0		200	μA
		: BD679A	V _{CB} = 80V, I _E = 0		200	μA
		: BD681	V _{CB} = 100V, V _{BE} = 0		200	μA
I _{CEO}	Collector Cut-off Current	: BD675A	V _{CE} = 45V, V _{BE} = 0		500	μA
		: BD677A	V _{CE} = 60V, V _{BE} = 0		500	μA
		: BD679A	V _{CE} = 80V, V _{BE} = 0		500	μA
		: BD681	V _{CE} = 100V, V _{BE} = 0		500	μA
I _{EBO}	Emitter Cut-off Current	V _{EB} = 5V, I _C = 0			2	mA
h _{FE}	* DC Current Gain	: BD675A/677A/679A	V _{CE} = 3V, I _C = 2A	750		
		: BD681	V _{CE} = 3V, I _C = 1.5A	750		
V _{CE}						

BD675A/677A/679A/681



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CROSSVOLT™	POP™	UHC™
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FAST®	Quiet Series™	
FASTr™	SuperSOT™-3	
GTO™	SuperSOT™-6	

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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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Definition of Terms

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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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