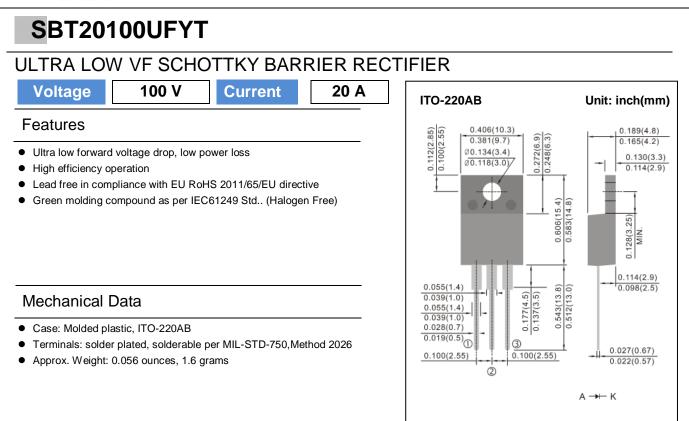
ΡΛΝ	ĴΪΤ
	SEMI CONDUCTOR



Maximum Ratings And Electrical Characteristics (T_A=25°C unless otherwise noted)

PARAMETER	SYMBOL	LIMIT	UNIT
Maximum repetitive peak reverse voltage	Vrrm	100	V
Maximum rms voltage	Vrms	70	V
Maximum dc blocking voltage	VR	100	V
Maximum average forward rectified current	lf(AV)	20	А
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load	Іғѕм	250	А
Typical thermal resistance (Note 1)	$R_{ extsf{ heta}JC}$	7	°C/W
Operating junction temperature range	TJ	-55 to +150	°C
Storage temperature range	Тѕтс	-55 to +150	°C

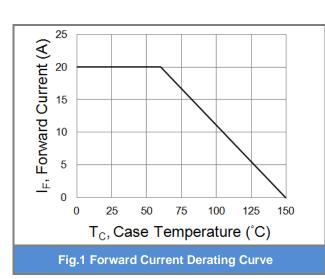
Note : 1. Device mounted on a infinite heatsink , then measured the center of the marking side.

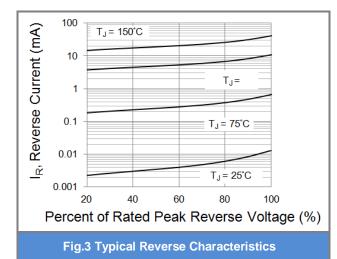


Electrical Characteristics ($T_A=25^{\circ}C$ unless otherwise noted)

PARAMETER	SYMBOL	TEST CONDITION		MIN.	TYP.	MAX.	UNITS
Breakdown voltage	V_{BR}	I _R =0.5mA	TJ=25°C	100	-	-	V
Instantaneous forward voltage		I _F =5A		-	0.48	-	
	V _F	I _F =10A	Tj=25°C	-	0.57	-	V
		I _F =20A		-	-	0.78	
		I _F =5A	TJ=125°C	-	0.41	-	v
		I _F =10A	1J=125 C	-	0.53	-	v
Reverse current I _R	V _R =70V	Tj=25°C	-	5	-	μA	
	1001/	Tj=25°C	-	-	120	μA	
		V _R =100V	TJ=125°C	-	12	-	mA

TYPICAL CHARACTERISTIC CURVES





 120
 100

 100
 100

 90
 80

 60
 100

 92
 100

 0
 25

 0
 25

 0
 25

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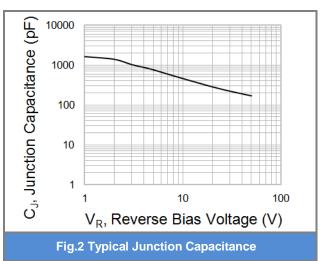
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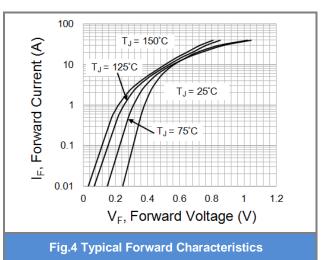
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 125

 100
 125

 100
 125

 100
 125







Part No Packing Code Version

Part No Packing Code	Package Type Packing Type		Marking	Version
SBT20100UFYT_T0_00001	ITO-220AB	50pcs / Tube	SBT20100UFYT	Halogen free



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