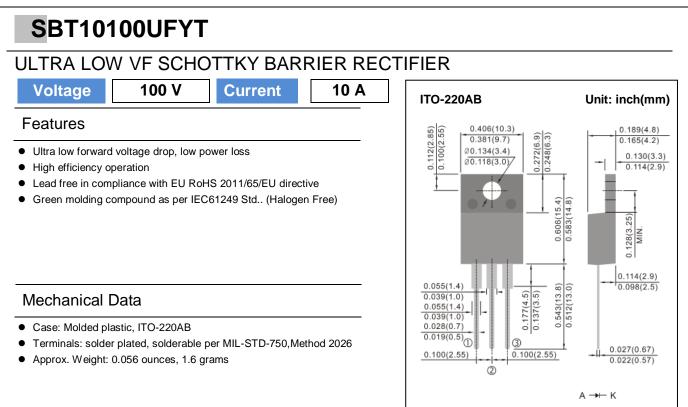
ΡΛΝ	ĴΪΤ
	SEMI CONDUCTOR



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)	10	А
Peak forward surge current : 8.3ms single half sine- wave superimposed on rated load	IFSM	150	А
Typical junction capacitance (VR=4V,f=1MHz)	Сл	620	pF
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

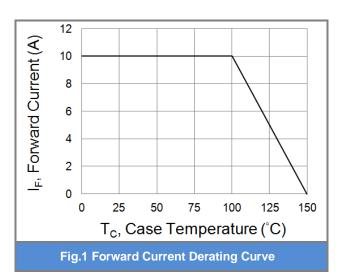
Note : 1. Mounted on infinite heatsink.



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 =3A I _F =5A I _F =10A	TJ=25°C	-	0.47 0.53 -	- - 0.71	V
	V _F	I _F =3A I _F =5A I _F =10A	TJ=125°C	- - -	0.40 0.49 0.61	- -	V
Reverse current I _R	V _R =70V	TJ=25°C	-	5	-	μA	
	I _R	V _R =100V	TJ=25°C TJ=125°C	-	- 7.2	80 -	μA mA

TYPICAL CHARACTERISTIC CURVES



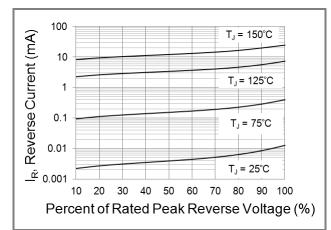
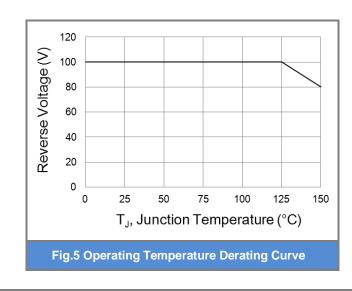
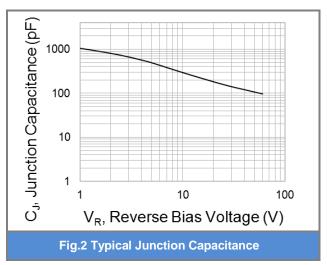


Fig.3 Typical Reverse Characteristics





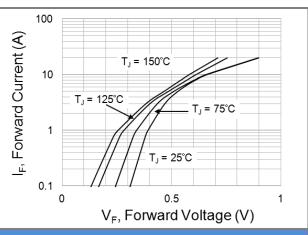


Fig.4 Typical Forward Characteristics



Part No Packing Code Version

Part No Packing Code	Package Type	Packing Type	Marking	Version	
SBT10100UFYT_T0_00001	ITO-220AB	50pcs / Tube	SBT10100UFYT	Halogen free	



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