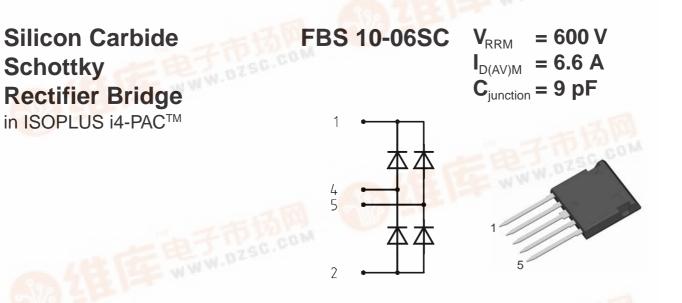
# 查询FBS10-06SC供应商

捷多邦,专业PCB打样工厂,24小时加急出货

Advanced Technical Information



### **Rectifier Bridge**

Symbol	Conditions	Maximum Ra	Maximum Ratings		
V <sub>RRM</sub>			600	V	
I <sub>FAV</sub>	0	180° (per diode)	3	А	
I <sub>D(AV)M</sub>	$T_c = 90^{\circ}C$		6.6	A	
I <sub>FSM</sub>	$T_{vJ} = 25^{\circ}C; t = 10 \text{ ms}; \text{ sine } 50 \text{ Hz}$		12	A	
P <sub>tot</sub>	T <sub>c</sub> = 25°C	(per diode)	19	W	

Symbol	Conditions		Characteristic Values ( $T_{vJ} = 25^{\circ}C$ , unless otherwise specified) min.   typ.   max.				
V <sub>F</sub>	I <sub>F</sub> = 4 A;	$T_{VJ} = 25^{\circ}C$ $T_{VJ} = 125^{\circ}C$		1.7 1.9	2.0		
I <sub>R</sub>	$V_{R} = V_{RRM};$	T <sub>vJ</sub> = 25°C T <sub>vJ</sub> = 125°C	5 topa	0.04	0.2 m m		
C	V <sub>R</sub> = 400 V;	T <sub>vJ</sub> = 125°C	120	9	p		
R <sub>thJC</sub> R <sub>thJS</sub>	(per diode)			11.5	8 K/ K/		

## Features

- Silicon Carbide Schottky Diodes
  no reverse recovery at turn off only charge of junction capacity - soft turn off waveform
- no forward recovery at turn on
- switching behaviour independent of temperature
- low leakage current
- ISOPLUS i4-PAC(TM) package
- isolated back surface
- low coupling capacity between pins and heatsink
- enlarged creepage towards heatsink
- application friendly pinout
- high reliability
- industry standard outline

#### Applications

- output rectifiers of high end switched
- mode power supplies
- other high frequency rectifiers

Data according to IEC 60747 and refer to a single diode unless otherwise stated.

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# **L**IXYS

Weight

# **FBS 10-06SC**

Component							
Symbol	Conditions	Maximum Ratings					
T <sub>vj</sub> T <sub>stg</sub>		-	5+17 5+12				
V <sub>ISOL</sub>	$I_{\rm ISOL} \leq$ 1 mA; 50/60 Hz	2500		0 V~			
F <sub>c</sub>	mounting force with clip		20120				
Symbol	Conditions	Characteristic Values min.   typ.   max.					
C <sub>p</sub>	coupling capacity between shorted pins and mounting tab in the case		40	pF			
d <sub>s</sub> ,d <sub>A</sub> d <sub>s</sub> ,d <sub>A</sub>	pin - pin pin - backside metal	1.7 5.5		mm mm			

9

g

