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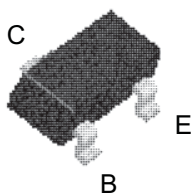
[FSB6726](#)

For any questions, you can email us directly:

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FSB6726



SuperSOT™-3

PNP General Purpose Amplifier

This device is designed for general purpose medium power amplifiers and switches requiring collector currents to 1.0 A. Sourced from Process 77.

Absolute Maximum Ratings* T_A = 25°C unless otherwise noted

Symbol	Parameter	FSB660/FSB660A	Units
V _{CEO}	Collector-Emitter Voltage	30	V
V _{CBO}	Collector-Base Voltage	40	V
V _{EBO}	Emitter-Base Voltage	5	V
I _C	Collector Current - Continuous	1.5	A
T _J , T _{stg}	Operating and Storage Junction Temperature Range	-55 to +150	°C

*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

NOTES:

- 1) These ratings are based on a maximum junction temperature of 150°C.
- 2) These are steady state limits. The factory should be consulted on applications involving pulsed or low duty cycle operations.

Thermal Characteristics T_A = 25°C unless otherwise noted

Symbol	Characteristic	Max	Units
		FSB6726	
P _D	Total Device Dissipation	500	mW
R _{θJA}	Thermal Resistance, Junction to Ambient	250	°C/W

PNP General Purpose Amplifier (continued)					
Electrical Characteristics <small>T_A = 25°C unless otherwise noted</small>					
Symbol	Parameter	Test Conditions	Min	Max	Units
OFF CHARACTERISTICS					
BV _{CEO}	Collector-Emitter Breakdown Voltage	I _C = 10 mA	30		V
BV _{CBO}	Collector-Base Breakdown Voltage	I _C = 100 μA	40		V
BV _{EBO}	Emitter-Base Breakdown Voltage	I _E = 100 μA	5		V
I _{CBO}	Collector Cutoff Current	V _{CB} = 40 V		100	nA
I _{EBO}	Emitter Cutoff Current	V _{EB} = 5V		100	nA
ON CHARACTERISTICS*					
h _{FE}	DC Current Gain	I _C = 100 mA, V _{CE} = 1 V I _C = 1 A, V _{CE} = 1V	60 50	250	- -
V _{CE(sat)}	Collector-Emitter Saturation Voltage	I _C = 1 A, I _B = 100 mA		500	mV
V _{BE(on)}	Base-Emitter On Voltage	I _C = 1 A, V _{CE} = 1 V		1.2	V
SMALL SIGNAL CHARACTERISTICS					
C _{cb}	Collector-Base Capacitance	V _{CB} = 10 V, f = 1MHz		30	pF
h _{fe}	Small Signal Current Gain	I _C = 50 mA, V _{CE} = 10V, f=20MHz	2.5	25	-
*Pulse Test: Pulse Width ≤ 300 μs, Duty Cycle ≤ 2.0%					

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FACT™	QS™	
FACT Quiet Series™	Quiet Series™	
FAST®	SuperSOT™-3	
FASTr™	SuperSOT™-6	
GTO™	SuperSOT™-8	
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PRODUCT STATUS DEFINITIONS

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