

FSB6726

PNP General Purpose Amplifier

(continued)

Electrical Characteristics

Electrica	Electrical Characteristics T _{A = 25°C unless otherwise noted}					
Symbol	Parameter		Test Conditions	Min	Мах	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 _{СВО}	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	60		-
		$I_{C} = 1 \text{ A}, \qquad V_{CE} = 1 \text{ V}$	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
hfe	Small Signal Current Gain	I _C = 50 mA,V _{CE} = 10V, f=20MHz	2.5	25	-

*Pulse Test: Pulse Width $\leq 300~\mu s,$ Duty Cycle $\leq 2.0\%$

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