

pdf.dzsc.com

PNP General Purpose Amplifier

(continued)

Electrical Characteristics TA = 25°C unless otherwise noted

Symbol	Parameter	Test Conditions	Min	Max	Units

OFF CHARACTERISTICS

V _{(BR)CEO}	Collector-Emitter Breakdown Voltage*	$I_{\rm C} = 0.5 \text{ mA}, I_{\rm B} = 0$	40	V
V _{(BR)EBO}	Emitter-Base Breakdown Voltage	$I_{E} = 10 \ \mu A, I_{C} = 0$	4.0	V
I _{CBO}	Collector Cutoff Current		0.5 1.0	μΑ μΑ

ON CHARACTERISTICS*

h _{FE}	DC Current Gain	$V_{CE} = 10 \text{ V}, I_C = 2.0 \text{ mA}$ $V_{CE} = 10 \text{ V}, I_C = 100 \text{ mA}$	150 90	300	
$V_{\text{CE}(\text{sat})}$	Collector-Emitter Saturation Voltage	$I_{\rm C} = 50$ mA, $I_{\rm B} = 5.0$ mA		0.5	V

SMALL SIGNAL CHARACTERISTICS

	C _{ob}	Output Capacitance	V _{CB} = 10 V, f = 100 kHz		4.0	pF
--	-----------------	--------------------	-------------------------------------	--	-----	----

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

MPS6518