

MPSA55/FTSOA55

MPSA56/FTSOA56

T-29-23

ELECTRICAL CHARACTERISTICS (25° C Ambient Temperature unless otherwise noted) (Note 6)

SYMBOL	CHARACTERISTIC	A55		A56		UNITS	TEST CONDITIONS
		MIN	MAX	MIN	MAX		
h_{FE}	DC Current Gain (Note 5)	50		50			$I_C = 10 \text{ mA}$, $V_{CE} = -1.0 \text{ V}$ $I_C = 100 \text{ mA}$, $V_{CE} = -1.0 \text{ V}$
$V_{CE(sat)}$	Collector to Emitter Saturation Voltage (Note 5)		-0.25		-0.25	V	$I_C = 100 \text{ mA}$, $I_B = 10 \text{ mA}$
$V_{BE(ON)}$	Base to Emitter "On" Voltage		-1.2		-1.2	V	$I_C = 100 \text{ mA}$, $V_{CE} = -1.0 \text{ V}$
f_T	Current Gain Bandwidth Product	50		50		MHz	$I_C = 100 \text{ mA}$, $V_{CE} = -1.0 \text{ V}$, $f = 100 \text{ MHz}$