



MMBTA56Q

RoHS
COMPLIANT

Electrical Characteristics (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Min	Typ	Max
Collector-base breakdown voltage	V_{CBO}	V	$I_C = -100\mu A, I_E = 0$	-80		
Collector-emitter breakdown voltage	V_{CEO}	V	$I_C = -1mA, I_B = 0$	-80		
Emitter-base breakdown voltage	V_{EBO}	V	$I_E = -100\mu A, I_C = 0$	-4		
Collector-base cut-off current	I_{CBO}	μA	$V_{CB} = -80V, I_E = 0$			-0.1
Collector-emitter cut-off current	I_{CES}	μA	$V_{CE} = -60V, I_B = 0$			-0.1
Emitter-base cut-off current	I_{EBO}	μA	$V_{EB} = -3V, I_C = 0$			-0.1
DC current gain	h_{FE}		$V_{CE} = -1V, I_C = -10mA$	100		
	h_{FE}		$V_{CE} = -1V, I_C = -100mA$	100		
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	$I_C = -100mA, I_B = -10mA$			-0.25
Base-emitter saturation voltage	$V_{BE(sat)}$	V	$I_C = -100mA, I_B = -10mA$			-1.2

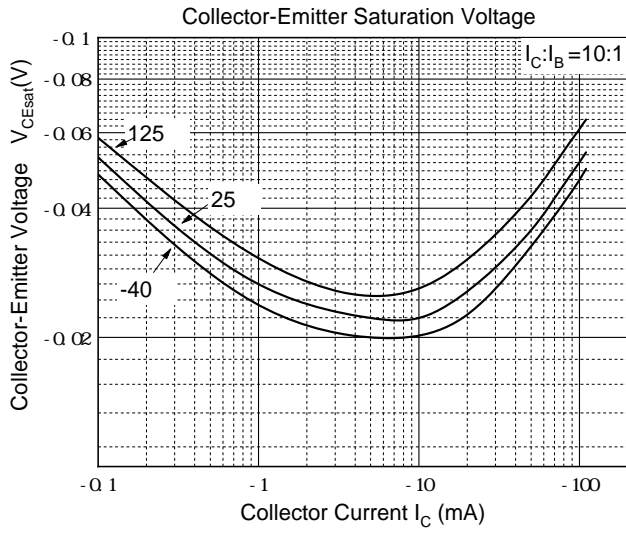
Other Characteristics (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Min	Typ	Max
Transition frequency	f_T	MHz	$V_{CE} = -2V, I_C = -10mA, f = 100MHz$	100		

Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MMBTA56Q	F2	Approximate 0.01	3000	30000	120000	7" reel

Characteristics(Typical)



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