

MMST4401

E				
Collector Current -Continuous	IC	mA		600
Total Device Dissipation	PD	mW		200
Junction Temperature	Tj			150
Storage Temperature	TSTG			-55 to +150

■ Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MMST4401	F2	Approximate 0.005	3000	30000	120000	7" reel



■ **Electrical Characteristics** (Ta=25 unless otherwise noted)

Item	Symbol	Unit	Conditions	Min	Typ	Max
Collector-base breakdown voltage	$V_{(BR)CBO}$	V	$I_C=10mA, I_E=0$	60		
Collector-emitter breakdown voltage	$V_{(BR)CEO^*}$	V	$I_C=1mA, I_B=0$	40		
Emitter-base breakdown voltage	$V_{(BR)EBO}$	V	$I_E=100\mu A, I_C=0$	6		
Collector-emitter cut-off current	I_{CEO}	nA	$V_{CE}=35V, I_B=0$			100
Collector-base cut-off current	I_{CBO}	nA	$V_{CB}=35V, I_E=0$			100
Emitter-base cut-off current	I_{EBO}	nA	$V_{EB}=5V, I_C=0$			100
DC current gain	h_{FE}		$V_{CE}=1V, I_C=150mA$	100		300
			$V_{CE}=2V, I_C=500mA$	40		
Collector-emitter saturation voltage	$V_{CE(sat)}$	V	$I_C=150mA, I_B=15mA$			0.4
Base-emitter saturation voltage	$V_{BE(sat)}$	V	$I_C=150mA, I_B=15mA$			0.95
Transition frequency	f_T	MHz	$V_{CE}=10V, I_C=20mA, f=100MHz$	250		
Delay time	t_d	ns	$V_{CC}=30V, V_{BE(off)}=0.2V$ $I_C=150\mu A, I_{B1}=15mA$			15
Rise time	t_r	ns				20
Storage time	t_s	ns	$V_{CC}=30V, I_C=150mA, I_{B1}=I_{B2}=15mA$			225
Fall time	t_f	ns				60
Output Capacitance	C_{ob}	pF	$V_{CB}=10V, I_E=0, f=1MHz$			6.5



■ Characteristics (Typical)



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