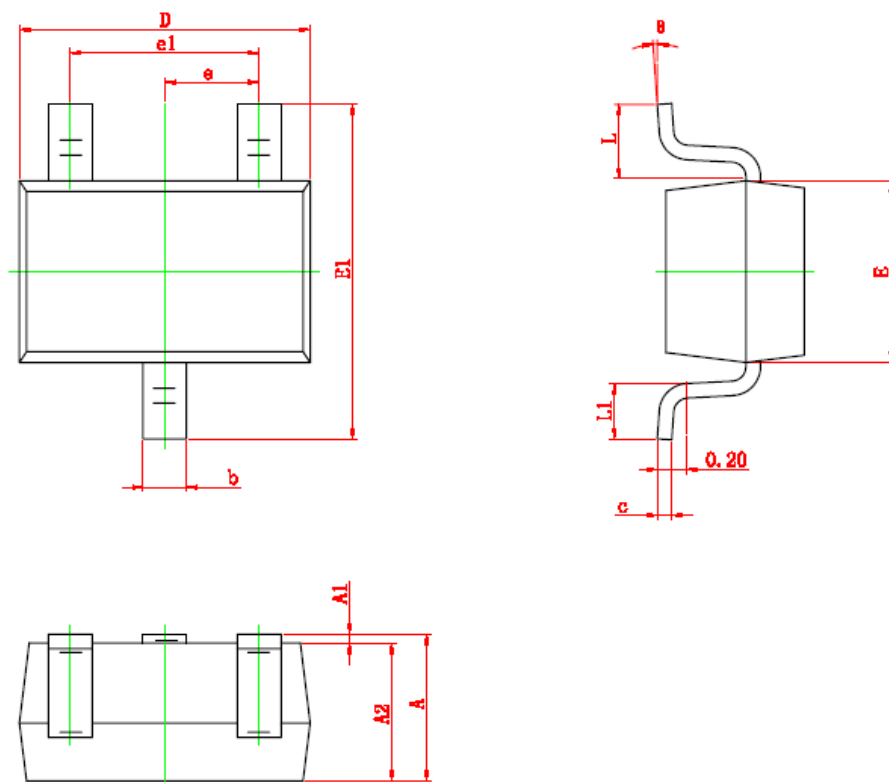


SOT-323 Outline Dimension



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min	Max	Min	Max
A	0.900	1.100	0.035	0.043
A1	0.000	0.100	0.000	0.004
A2	0.900	1.000	0.035	0.039
b	0.200	0.400	0.008	0.016
c	0.080	0.150	0.003	0.006
D	2.000	2.200	0.079	0.087
E	1.150	1.350	0.045	0.053
E1	2.150	2.450	0.085	0.096
e	0.650 TYP		0.026 TYP	
e1	1.200	1.400	0.047	0.055
L	0.525 REF		0.021 REF	
L1	0.260	0.460	0.010	0.018
θ	0°	8°	0°	8°

Device Marking :

Device P/N	Marking code
MMST2907A	K3F

Electrical characteristic curves

Fig.1 Grounded Emitter Output Characteristics

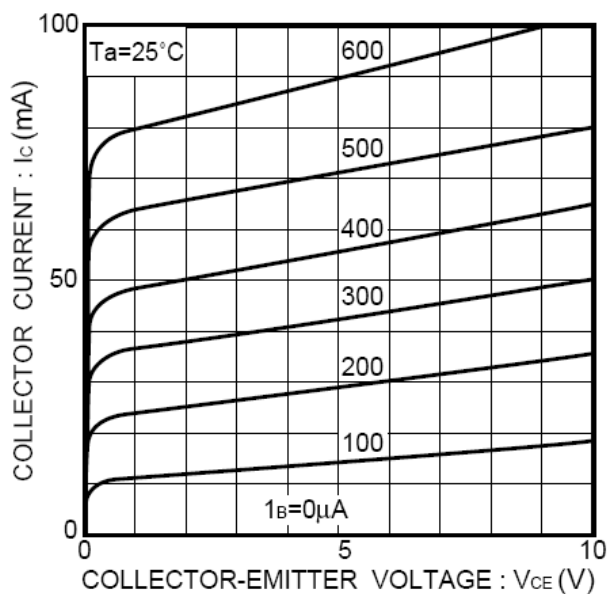


Fig.2 Base-Emitter Saturation Voltage vs. Collector Current

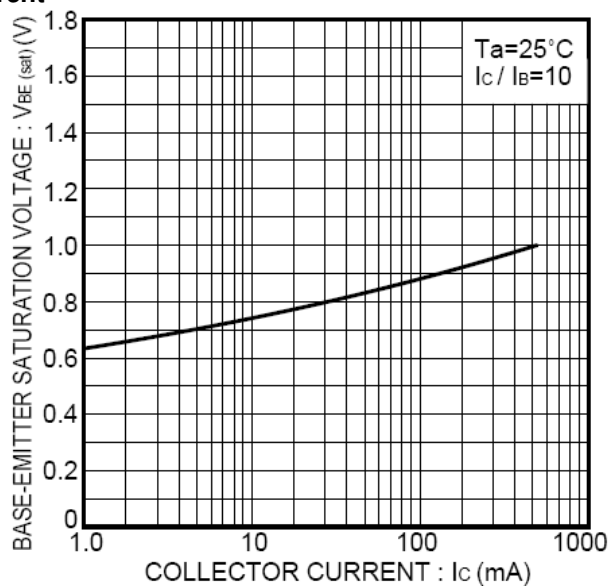


Fig.3 DC Current Gain vs. Collector Current (I)

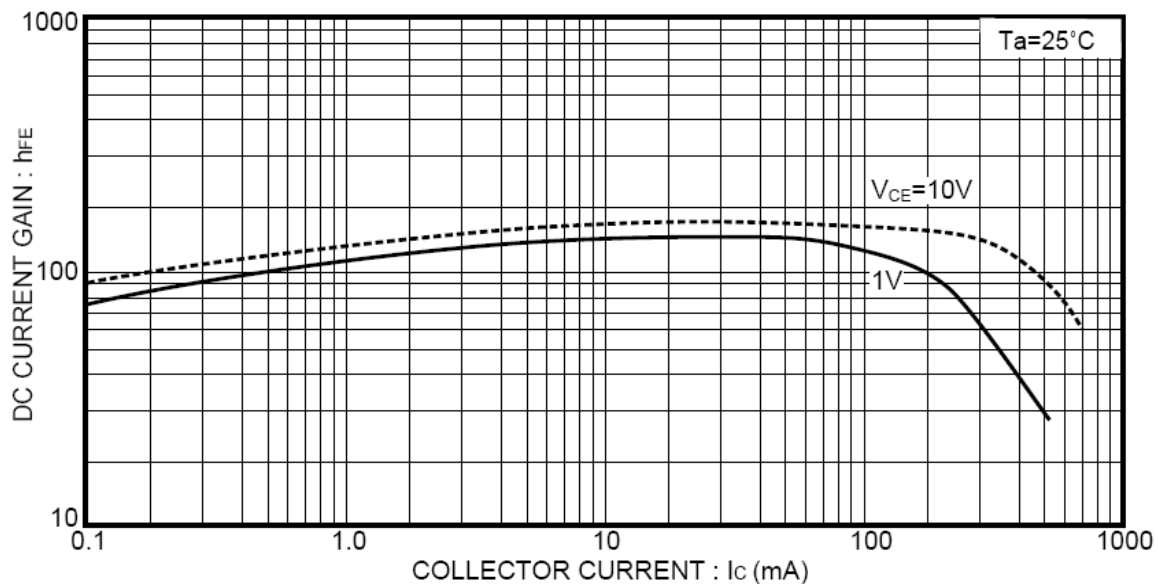


Fig.4 DC Current Gain vs. Collector Current (II)

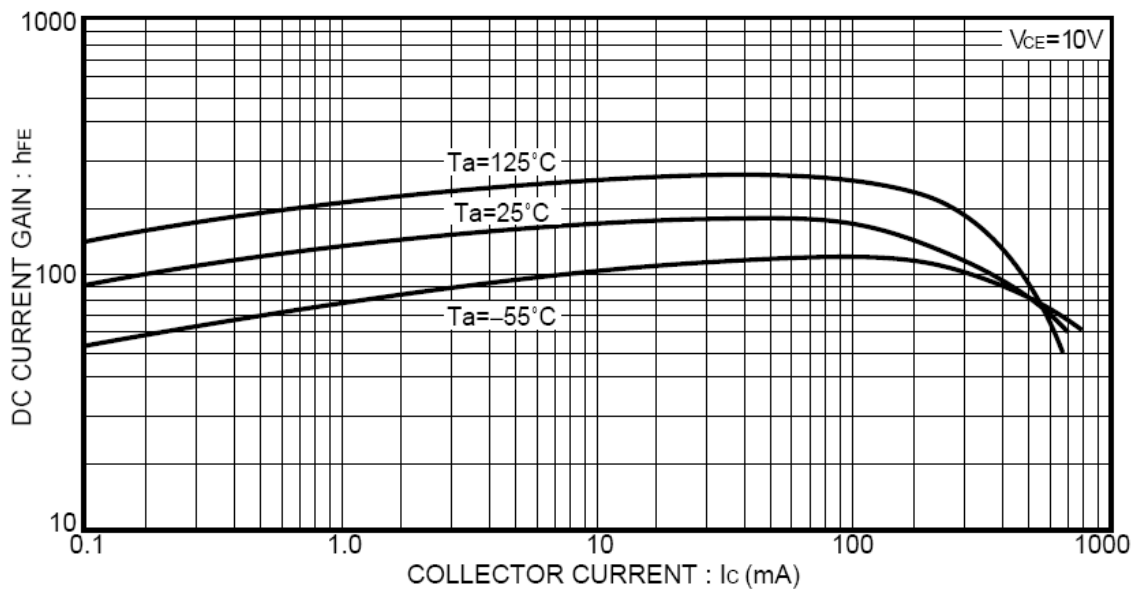


Fig.5 AC Current Gain vs. Collector Current

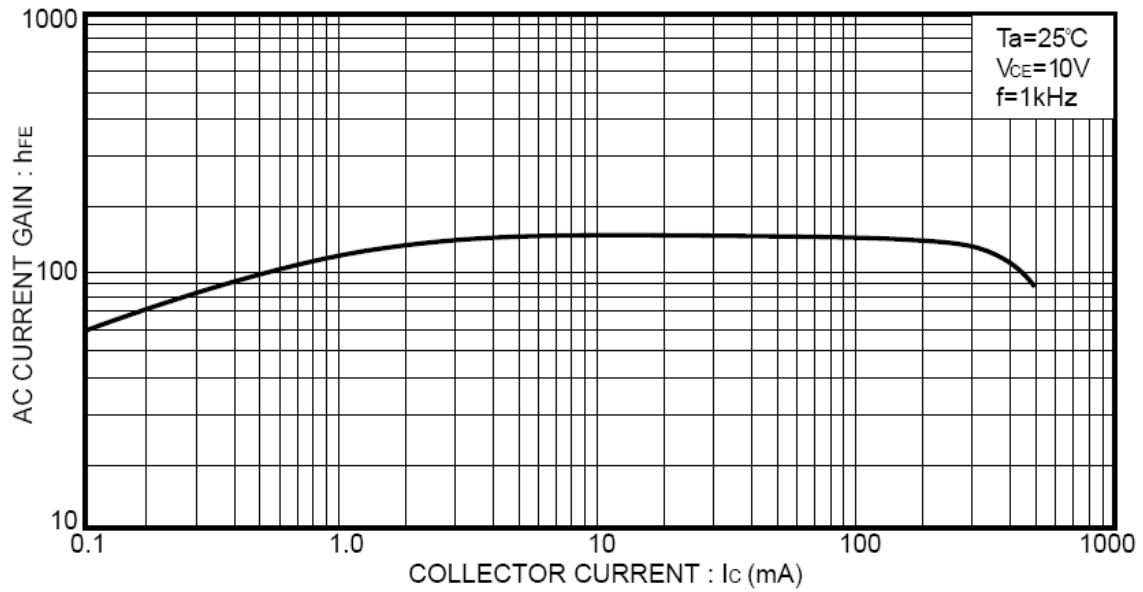


Fig.6 Collector-Emitter Saturation Voltage vs. Collector Current

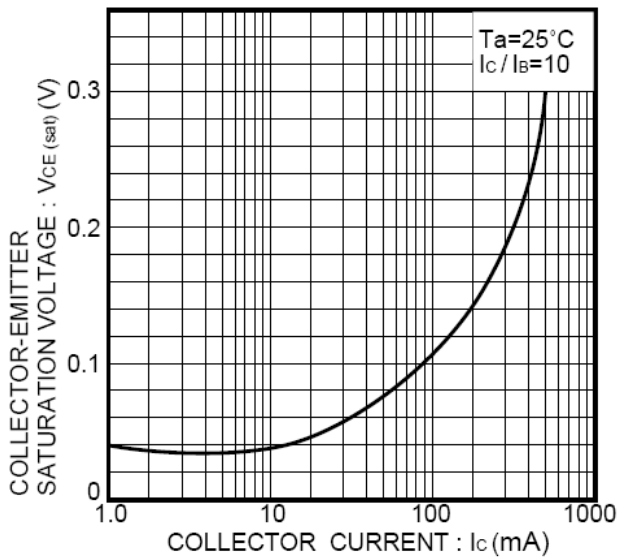


Fig.7 Grounded Emitter Propagation Characteristics

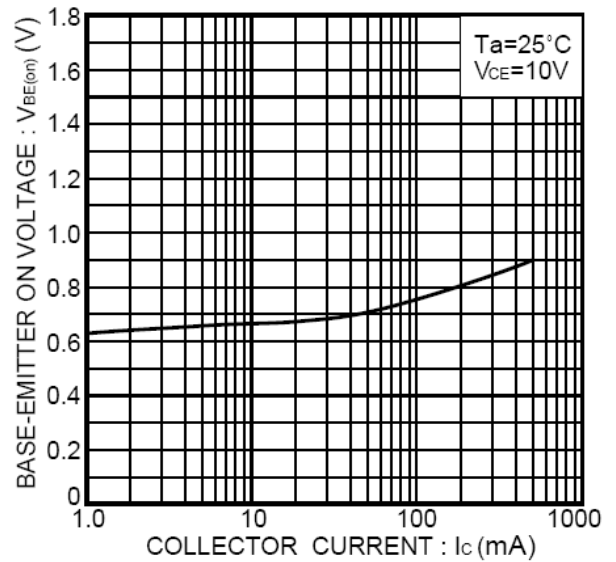


Fig.8 Gain Bandwidth Product vs. Collector Current

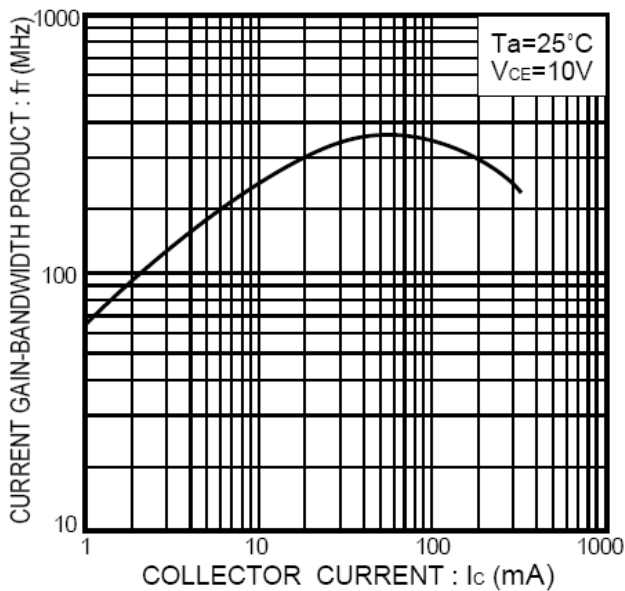


Fig.9 Gain Bandwidth Product

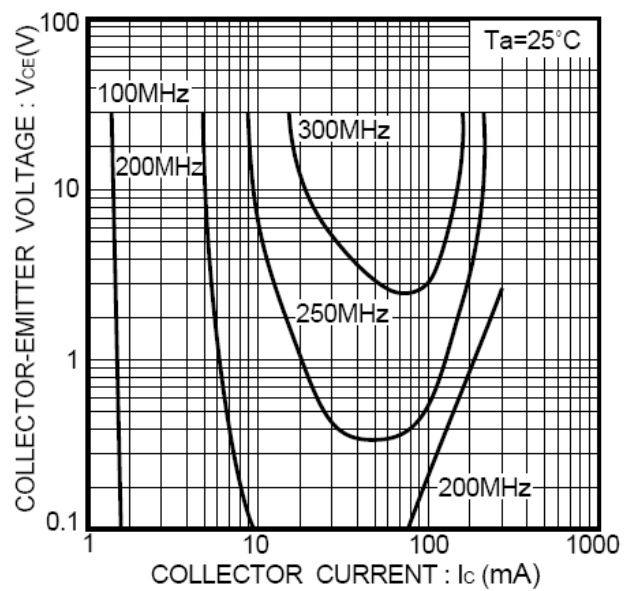


Fig.10 Input/Output Capacitance vs. Voltage

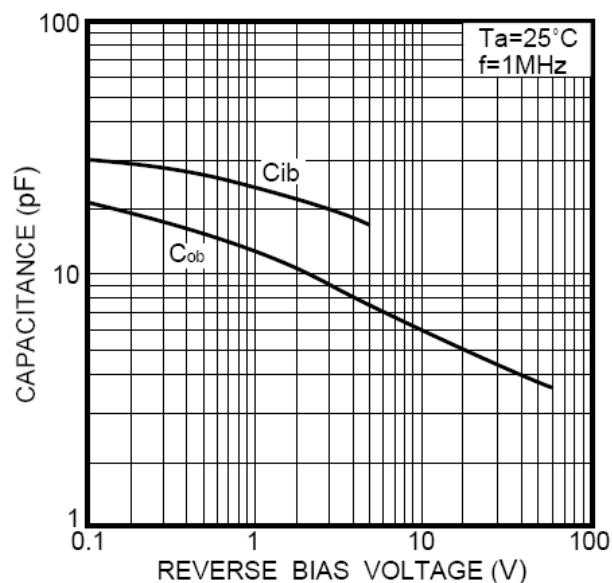


Fig.11 Turn-on Time vs. Collector Current

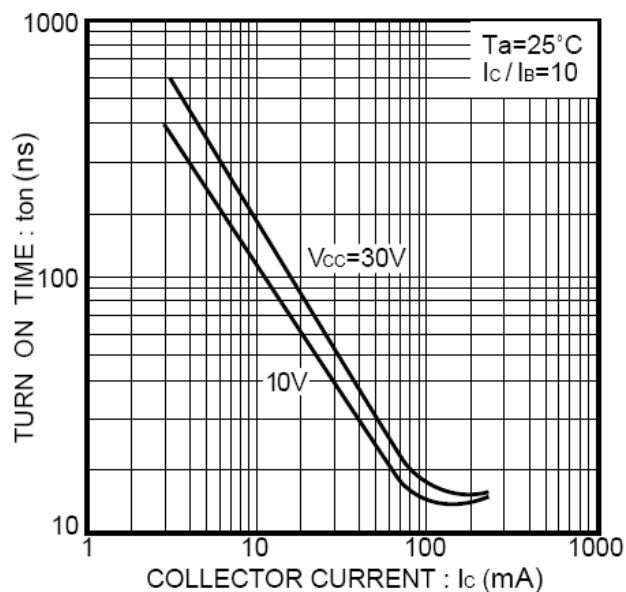


Fig.12 Rise Time vs. Collector Current

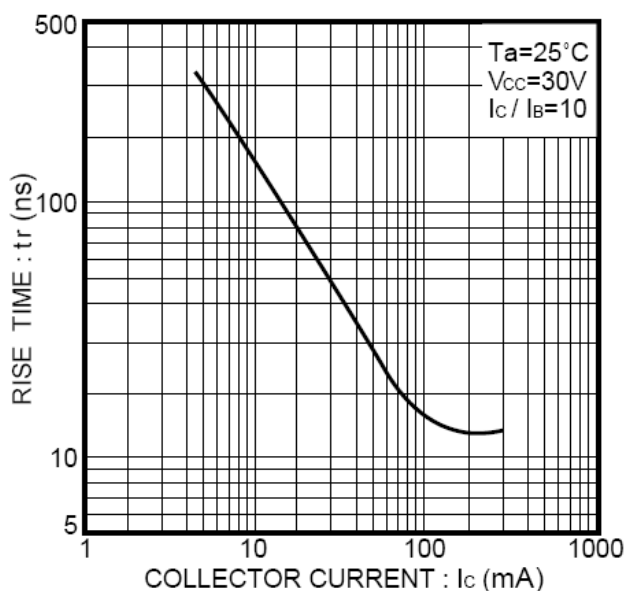


Fig.13 Storage Time vs. Collector Current

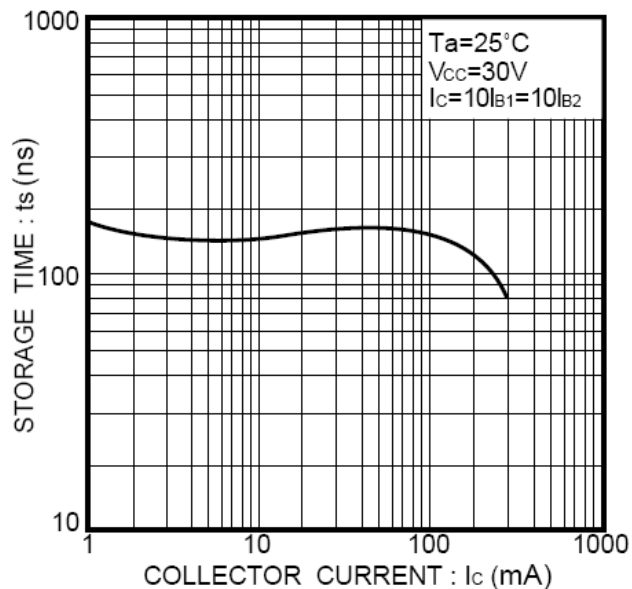
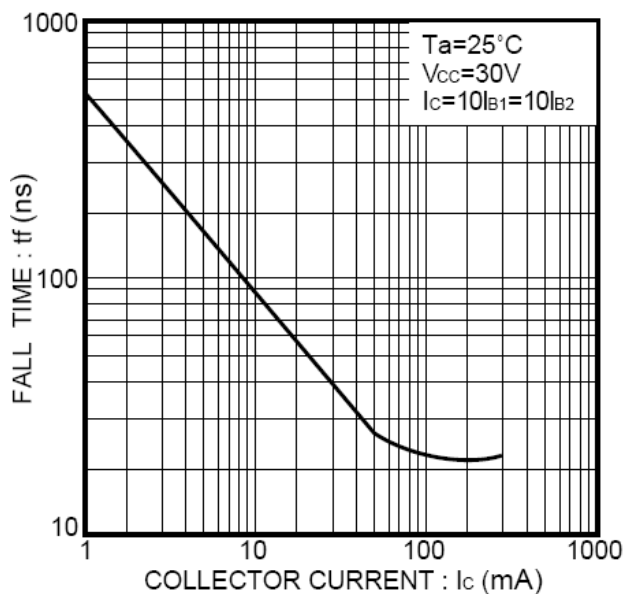


Fig.14 Fall Time vs. Collector Current



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