



# THE DATASHEET OF FMMTH10TA



# FMMTH10

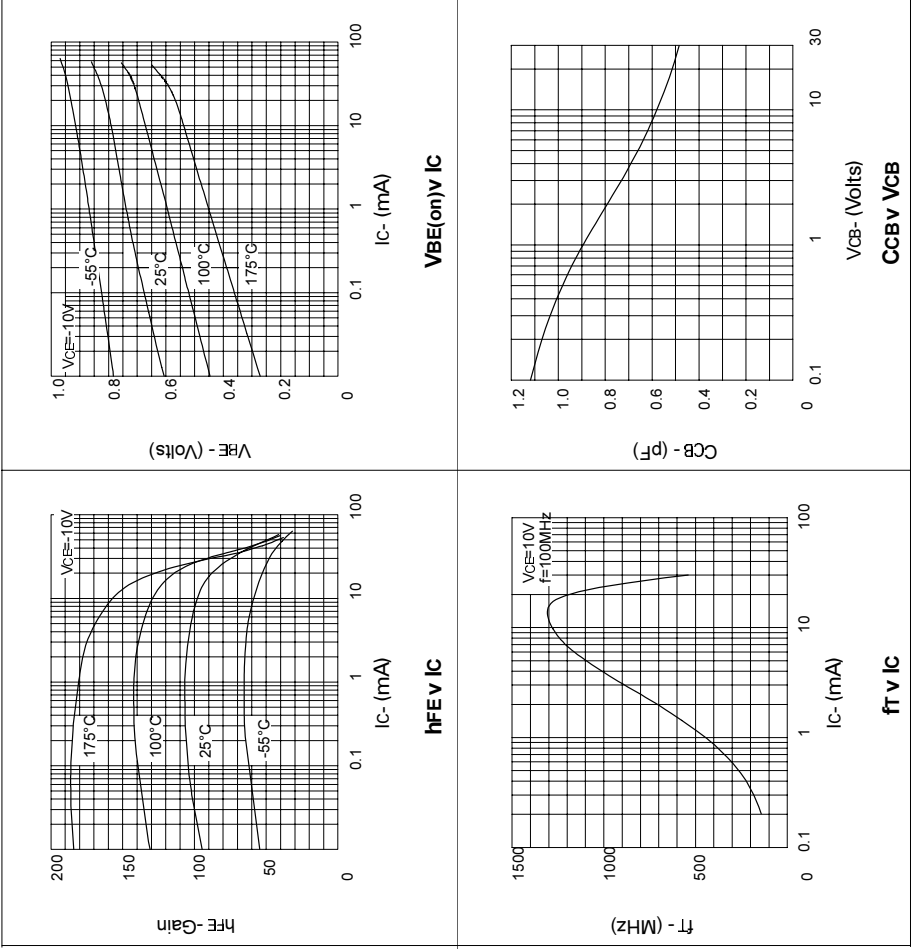
## SOT23 NPN SILICON PLANAR RF TRANSISTOR

ISSUE 2 - NOVEMBER 1995

### FEATURES

- \* High  $f_T=650\text{MHz}$
- \* Maximum capacitance 0.7pF
- \* Low noise < 5dB at 500MHz

### TYPICAL CHARACTERISTICS



PARTMARKING DETAIL - 3EZ

### ABSOLUTE MAXIMUM RATINGS

PARAMETER	Operating and Storage Temperature Range
Collector-Emitter Voltage	
Collector-Emitter Voltage	
Emitter-Base Voltage	
Continuous Collector Current	
Peak Pulse Current	
Power Dissipation at $T_{amb}=25^{\circ}\text{C}$	

### ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$
Collector Cut-Off Current	$I_{CBO}$
Emitter Cut-Off Current	$I_{EBO}$
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$
Common Base Feedback Capacitance	$C_{fb}$
Base-Emitter Turn-On Voltage	$V_{BE(on)}$
Static Forward Current Transfer Ratio	$h_{FE}$
Transition Frequency	$f_T$
Collector Base Capacitance	$C_{cb}$
Collector Base Time Constant	$r_b C_c$
Noise Figure	$N_f$

\*Measured under pulsed conditions. Pulse Spice parameter data is available upon request.

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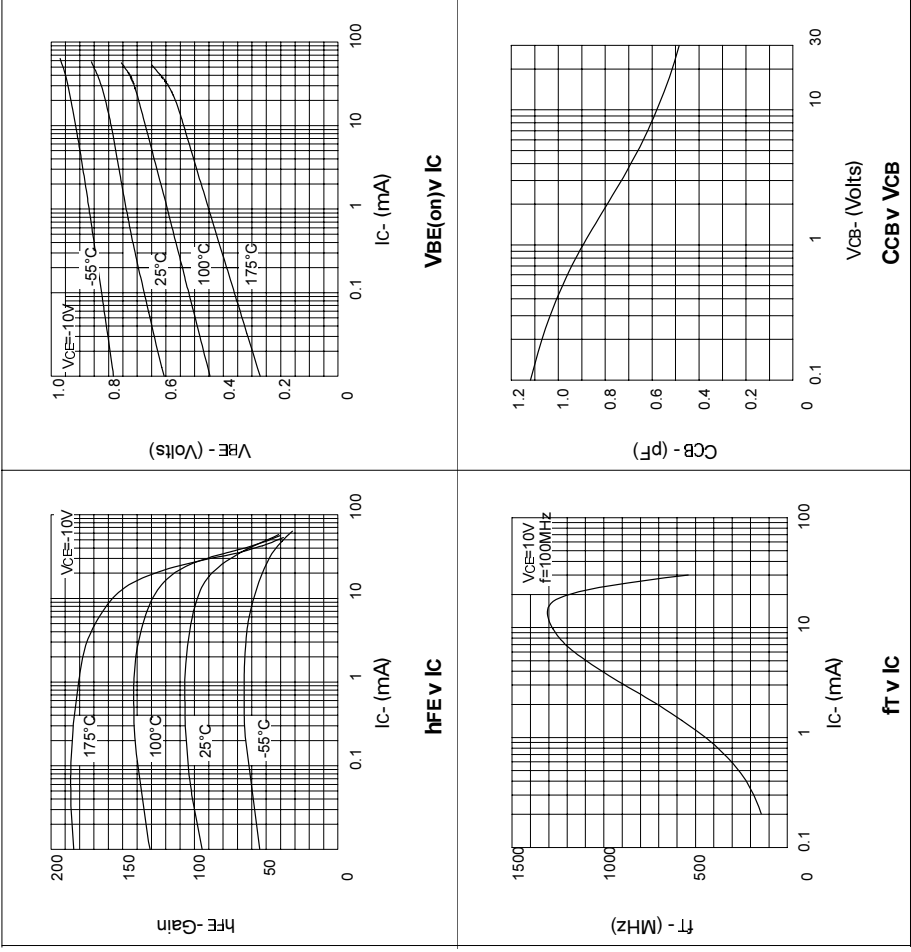
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