THE DATASHEET OF

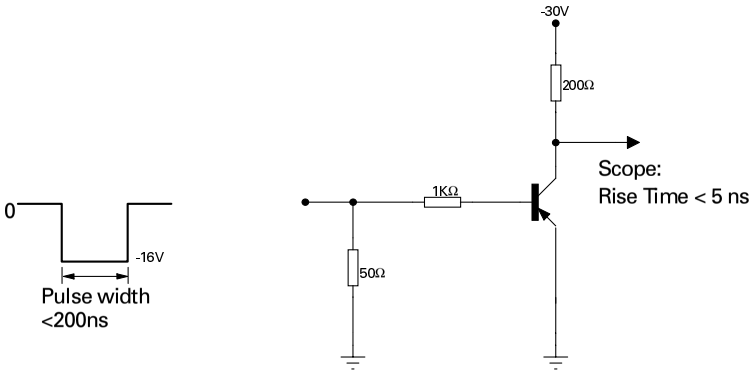
FMMT2907ATA

FMMT2907
FMMT2907A

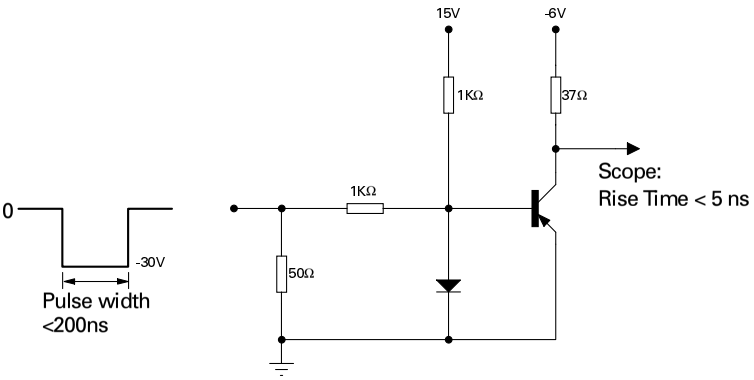
SWITCHING CHARACTERISTICS (at T_{amb} = 25°C unless otherwise stated).

PARAMETER	SYMBOL	FMMT2907		FMMT2907A		UNIT	CONDITIONS.
		TYP.	MAX.	TYP.	MAX.		
Output Capacitance	C_{obo}		8		8	pF	V_{CB}=-10V, I_E=0, f=100KHz
Input Capacitance	C_{ibo}		30		30	pF	V_{BE}=-2V, I_C=0 f=100KHz
Turn On Time	t_{on}	26	50	26	50	ns	V_{CE}=-30V I_C=-150mA, I_{B1}=-15mA (See Turn On Circuit)
Turn Off Time	t_{off}	70	110	70	110	ns	V_{CE}=-6V, I_C=-150mA I_{B1}= I_{B2}=-15mA (See Turn Off Circuit)

TURN ON TIME – TEST CIRCUIT



TURN OFF TIME – TEST CIRCUIT



SOT23 PNP SILICON PLAN
SWITCHING TRANSISTOR

ISSUE 3 – FEBRUARY 1996 ✪

FEATURES

* Fast switching

COMPLIMENTARY TYPES - FMMT2907
- FMMT2907A

PARTMARKING DETAIL - FMMT290
FMMT290
FMMT290
FMMT290

ABSOLUTE MAXIMUM RATINGS

PARAMETER
Collector-Base Voltage
Collector-Emitter Voltage
Emitter-Base Voltage
Continuous Collector Current
Power Dissipation at T_{amb}=25°C
Operating and Storage Temperature Ran

ELECTRICAL CHARACTERISTICS

PARAMETER	SYMBOL	FMMT
		MIN.
Collector-Base Breakdown Voltage	$V_{(BR)CBO}$	-40
Collector-Emitter Breakdown Voltage	$V_{(BR)CEO}$	-60
Emitter-Base Breakdown Voltage	$V_{(BR)EBO}$	-5
Collector-Emitter Cut-Off Current	I_{CEX}	
Collector Cut-Off Current	I_{CBO}	
Base Cut-Off Current	I_B	
Collector-Emitter Saturation Voltage	$V_{CE(sat)}$	
Base-Emitter Saturation Voltage	$V_{BE(sat)}$	
Static Forward Current Transfer Ratio	h_{FE}	35 50 75 100 30
Transition Frequency	f_T	200

*Measured under pulsed conditions. Pulse

FMMT2907
FMMT2907A

SWITCHING CHARACTERISTICS (at T_{amb} = 25°C unless otherwise stated).

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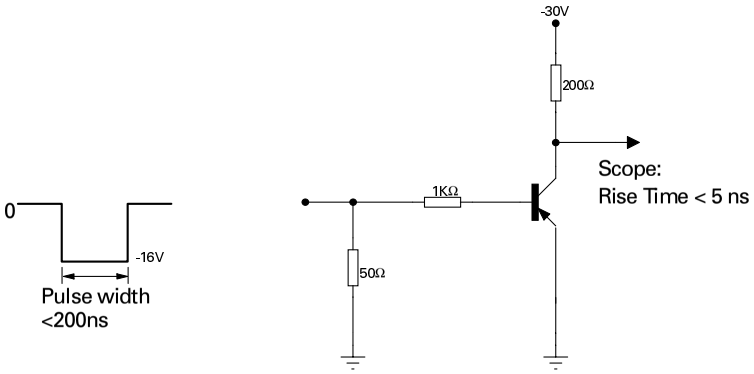
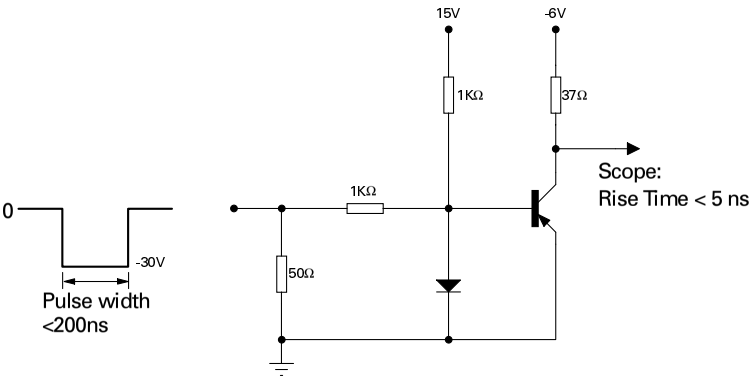
TURN ON TIME – TEST CIRCUIT



TURN OFF TIME – TEST CIRCUIT



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COMPLIMENTARY TYPES - FMMT2907
- FMMT2907A

PARTMARKING DETAIL - FMMT290
FMMT290
FMMT290
FMMT290

ABSOLUTE MAXIMUM RATINGS

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Emitter-Base Voltage
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*Measured under pulsed conditions. Pulse

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