



Dual NPN+PNP Small Signal Transistor

Features

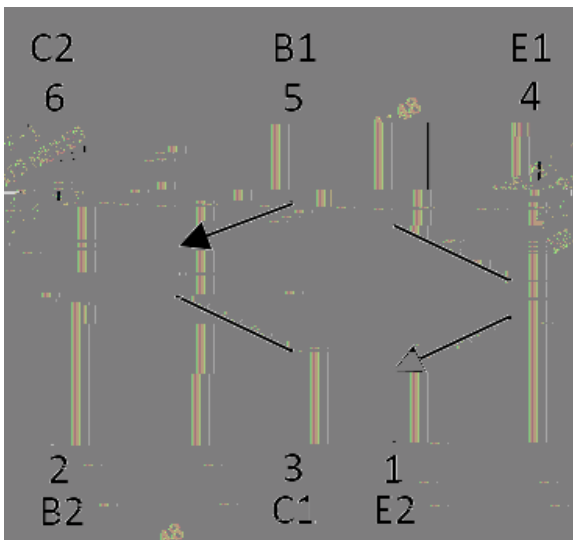
- Epoxy meets UL-94 V-0 flammability rating
- Surface mount package ideally Suited for Automatic Insertion
- NPN/PNP

Mechanical Data

- **Package:** SOT-363
- **Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102
- **Marking:** K46



■Equivalent circuit



■ Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MMDT3946	F2	Approximate 0.009g	3000	30000	120000	7" reel



MMDT3946

■TR1 NPN Pin1 2 6 Maximum Ratings (Ta=25 Unless otherwise specified)

Item	Symbol	Unit	Conditions	Value
Collector-Base Voltage	V_{CBO}	V	$I_C=10\mu A, I_E=0$	60
Collector-Emitter Voltage	V_{CEO}	V	$I_C=1mA, I_B=0$	40
Emitter-Base Voltage	V_{EBO}	V	$I_E=10\mu A, I_C=0$	6
Collector Current -Continuous	I_C	mA		200
Total Device Dissipation	P_C	mW		200
Junction Temperature	T_J	†		150
Storage Temperature	T_{STG}	†		-55 to +150

■TR1 NPN Pin1 2 6 Electrical Characteristics (Ta=25 unless otherwise specified)

Item	Symbol	Unit
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MMDT3946

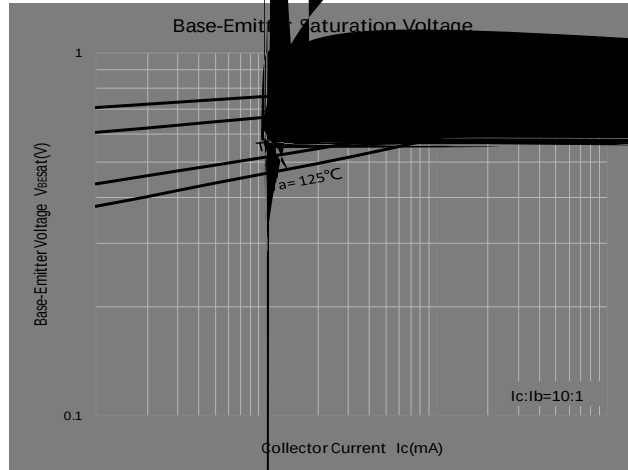
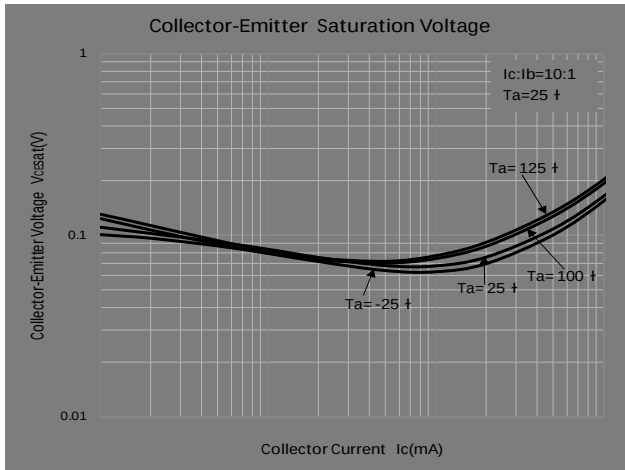
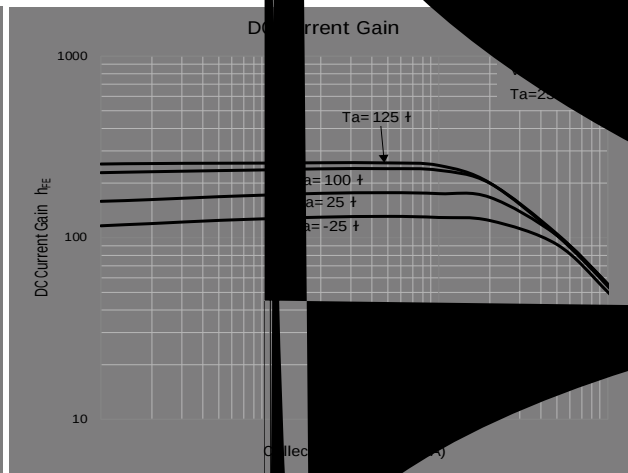
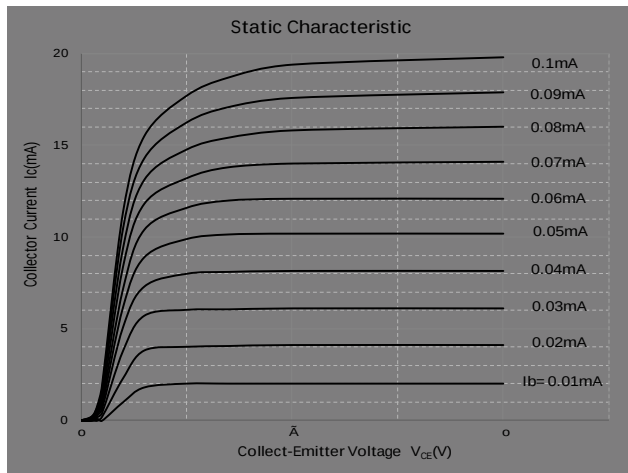
■TR2 PNP Pin3 4 5 Maximum Ratings (Ta=25 Unless otherwise specified

Item	Symbol	Unit	Conditions	Value
Collector-Base Voltage	VCBO	V	IC=-10μA,IE=0	-40
Collector-Emitter Voltage	VCEO	V	IC =-1mA,IB=0	-40
Emitter-Base Voltage	VEBO	V	IE=-10μA,IC=0	-5
Collector Current	IC	mA		-200

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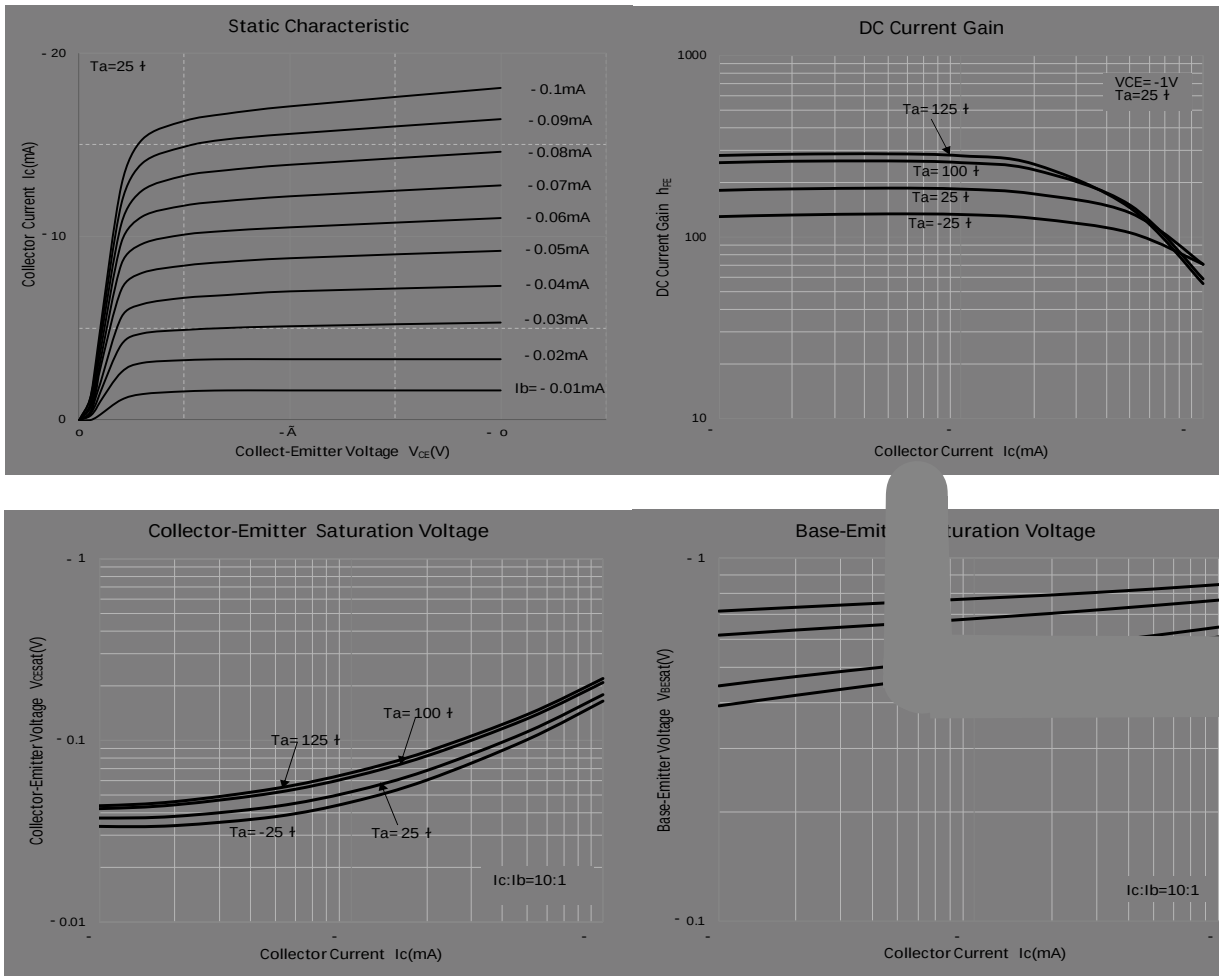


TR1 NPN Pin1 2 6 Characteristics (Typical)



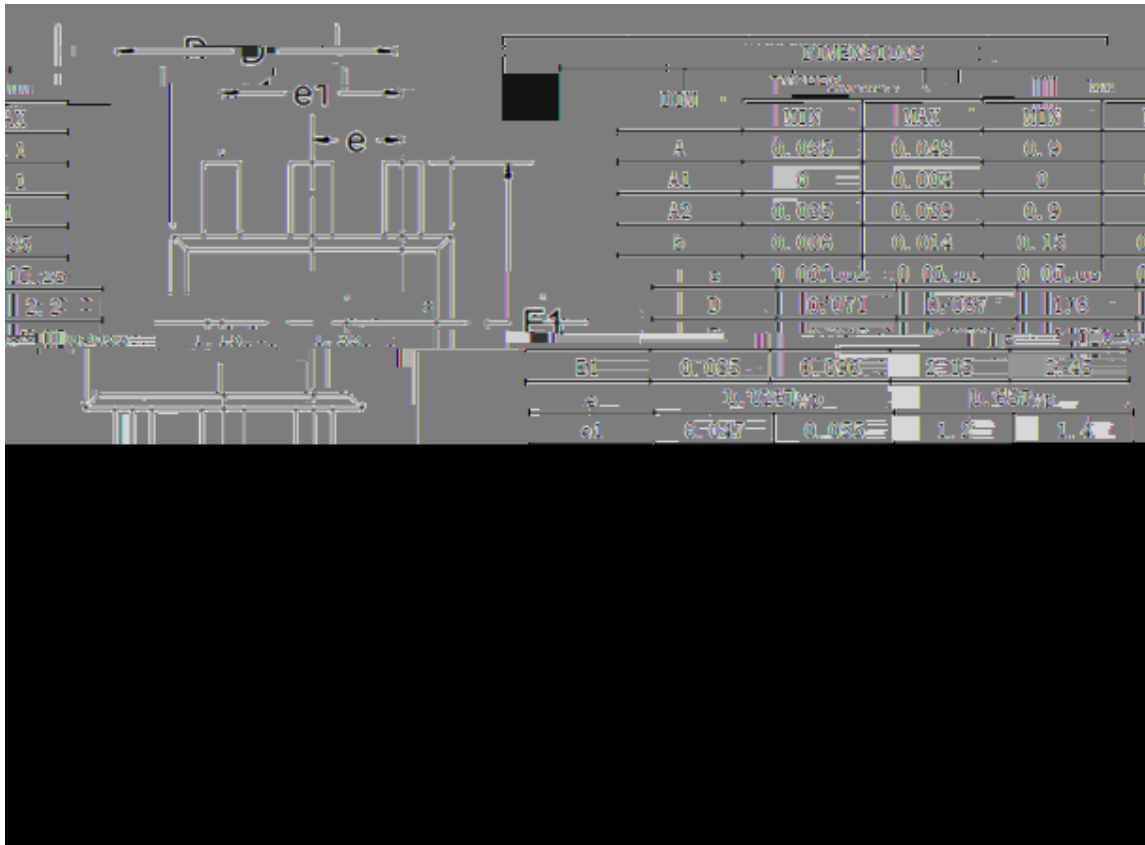


TR2 PNP Pin3 4 5 Characteristics (Typical)





■SOT-363 Package Outline Dimensions



ySOT-363 Soldering Footprint

Unit mm



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