

MMDT3906Q

RoHS
COMPLIANT



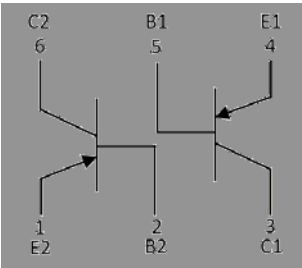
Features

- χ Epoxy meets UL-94 V-0 flammability rating
- χ Surface mount package is ideally Suited for Automatic Insertion
- χ PNP
- χ Moisture Sensitivity Level 1
- χ Part no. with suffix Q means AEC-Q101 qualified

Mechanical Data

- χ Package: SOT-363
- χ Terminals: Tin plated leads , solderable per J-STD-002 and JESD22-B102
- χ Marking: K3N

Equivalent circuit



Ω Maximum Ratings (Ta = 25

Collector-Emitter Voltage	V_{CE0}	V	$I_C = -1mA$ $I_B = 0$	-40
Collector-Base Voltage	V_{CB0}	V	$I_C = -10\mu A$ $I_B = 0$	-40
Emitter-Base Voltage	V_{EB0}	V	$I_E = -10\mu A$ $I_B = 0$	-5
Collector Current	I_C	mA		-200
Collector Power Dissipation ^(*)	P_C	mW		200
Junction Temperature	T_J	°C		-55 to +150
Storage Temperature	T_{fg}	°C		-55 to +150

(*) Device mounted on FR-4 PCB 1.0 x 1.0 x 0.06 inch



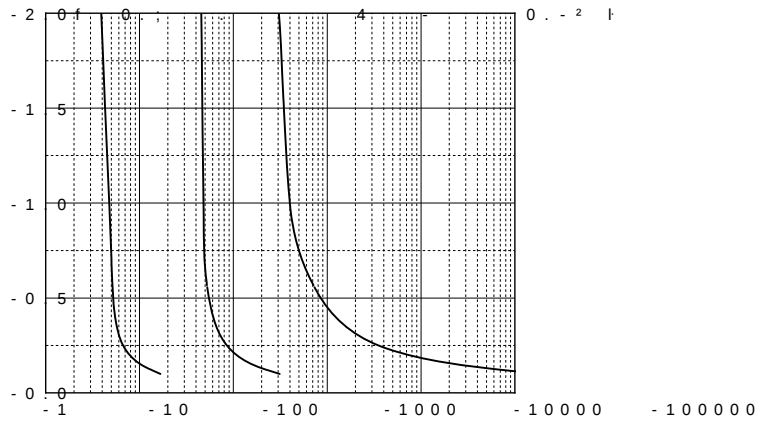
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Electrical Characteristics (Ta = 25°C unless otherwise specified)

Item	Symbol	Unit	Conditions	Min	TYP	Max
Collector-base breakdown voltage	V_{CB0}	V	$I_C = -10\mu A, V_E = 0$	-40		
Collector-emitter breakdown voltage	V_{CE0}	V	$I_C = -1mA, V_B = 0$	-40		
Emitter-base breakdown voltage	V_{EB0}	V	$I_E = -10\mu A, V_C = 0$	-5		
Collector-Base cut-off current	I_{CBO}	nA	$V_{CB} = -30V, V_E = 0$			-50
Emitter-Base Cut-off current	I_{EBO}	nA	$V_{EB} = -5V, V_C = 0$			-50



Ω Characteristics (Typical)



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