

/ Descriptions

WR0585 M M E QSQ æ M y s ll 1 Silicon NPN transistor in a TO-252 Plastic Package.

/ Features

[illegible]

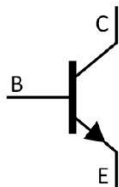
High breakdown voltage ,Low collector output capacitance ,High transition frequency.

/ Applications

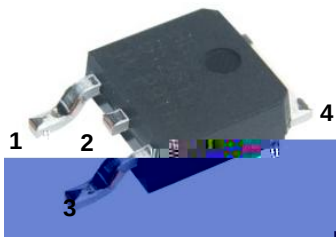
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Power supplies, relay drivers, lamp drivers, and automotive wiring.

/ Equivalent Circuit



/ Pinning

PIN1 χ BasePIN 2,4 χ Collector

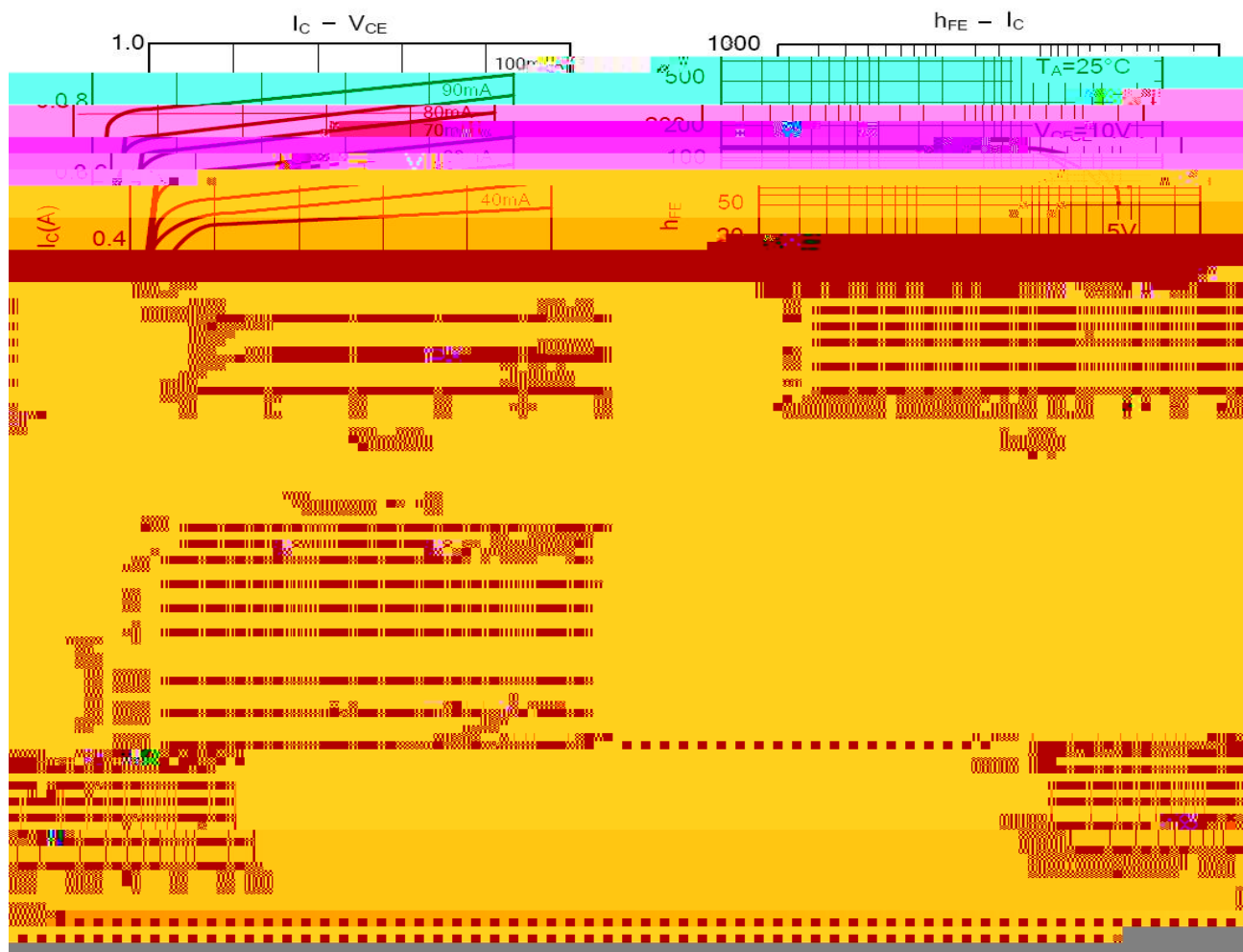
PIN 3 χ Emitter

/ h_{FE} Classifications & Marking

h _{FE} Classifications Symbol	P	Q	R
h _{FE} Range	82 180	120 270	180 390

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	120	V
Collector to Emitter Voltage	V_{CEO}	120	V
Emitter to Base Voltage	V_{EBO}	5	V
Collector Current - Continuous	I_C	2	A
Collector Current – Continuous(Pulse)	I_{CP}	3	A
Collector Power Dissipation	P_C	1.75	W
Junction Temperature	T_J	150	
Storage Temperature Range	T_{stg}	-55 150	

/ Electrical Characteristic Curve



/ Package Dimensions

