/ Descriptions

SOT23-3 P

P- CHANNEL MOSFET in a SOT23 -3Plastic Package.

/ Features

AEC-Q101

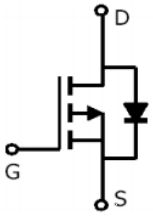
Ultra Low on-resistance, fast switching, Low on voltage, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

/ Applications

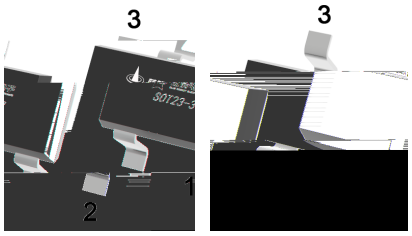
PWM

PWM application & Load switch, Meet the stringent requirements of automotive applications.

/ Equivalent Circuit



/ Pinning



PIN1 G PIN 2 S PIN 3 D

/ Marking

Marking	Q5P6

Parameter	Symbol	Rating	Unit
Drain–Source Voltage	V_{DSS}		

/ Electrical Characteristic Curve

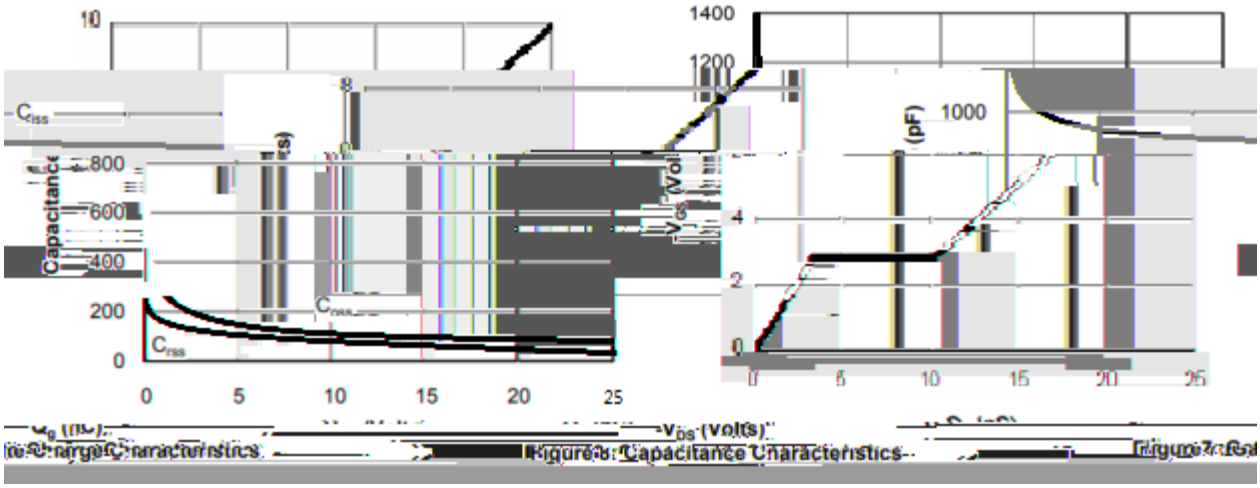
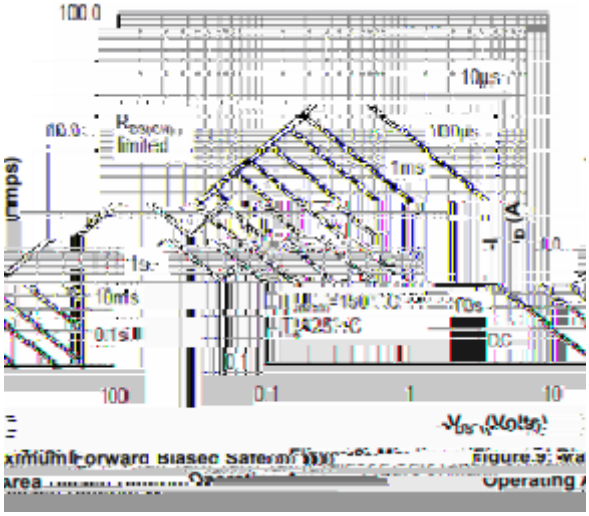
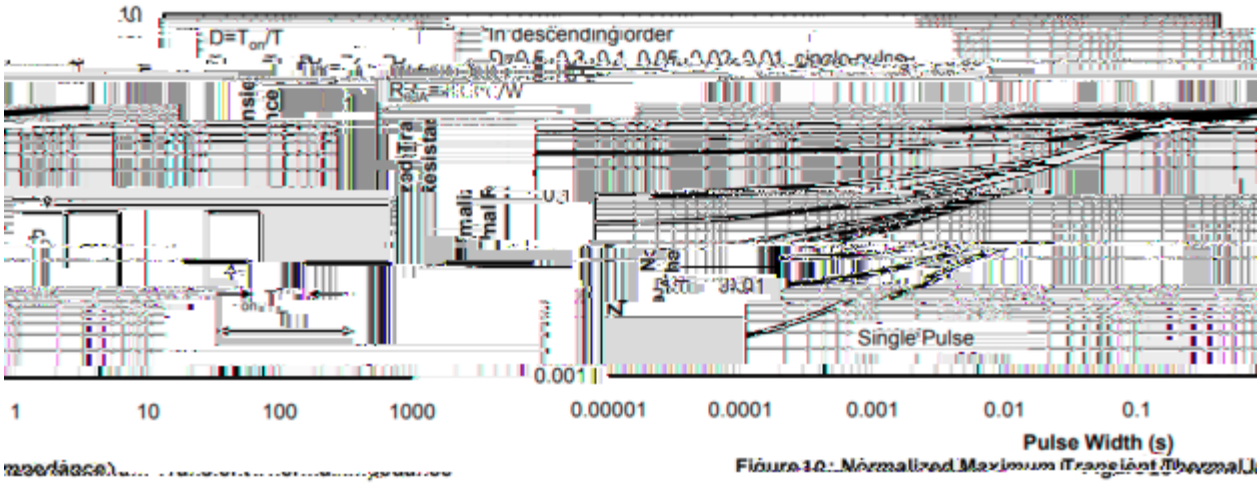
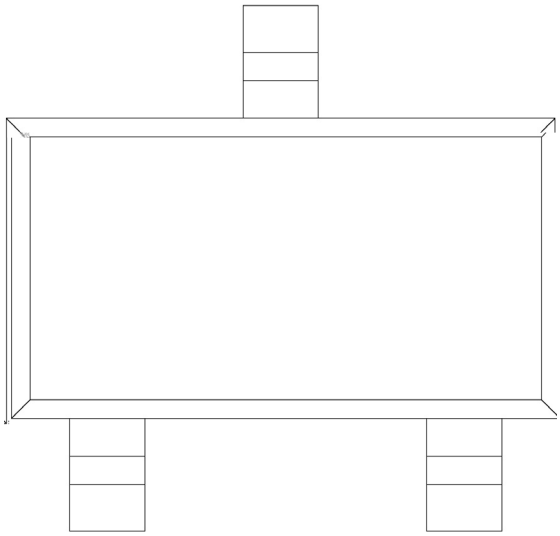


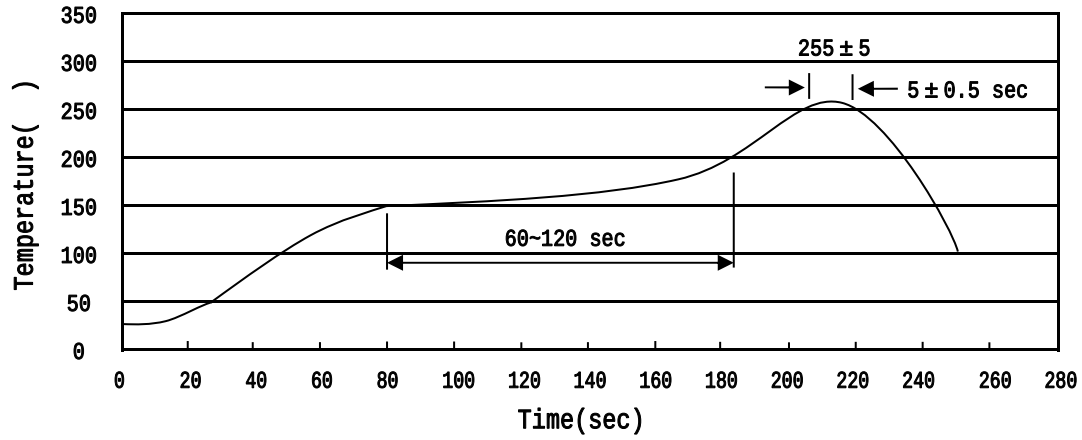
Figure 8. Capacitance Characteristics







( ) /



Note:

1		150	200		60	120sec;	1.Preheating:150~200 , Time:60~120sec.
2		255±5				5±0.5sec;	2.Peak Temp.:255±5 , Duration:5±0.5sec.
3				2	10	/sec.	3. Cooling Speed: 2~10 /sec.

/ Resistance to Soldering Heat Test Conditions

260±5	10±1 sec.	Temp.:260±5	Time:10±1 sec

/ Packaging SPEC.

/ REEL

Package Type	Units					Dimension		(unit mm³)
	Units/Reel /	Reels/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Reel	Inner Box	Outer Box
SOT23-3	3,000	10	30,000	4	120,000	7 ×8	210×205×205	445×230×435

/ Notices