

Rev.A Mar.-2023

SOT-23 P
P-CHANNEL MOSFET in a SOT-23 Plastic Package.

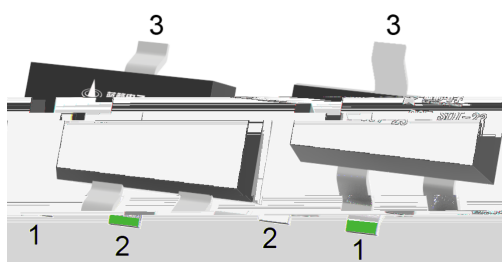
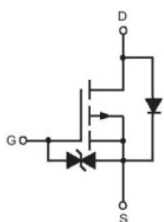
F0P RV WW0

4333Y

DHF0T434

Low threshold voltage, Direct interface to C-MOS, TTL etc, High-speed switching,ESD Improved Capability 1000V, high current, Qualified to AEC-Q101 Standards for High Reliability, HF Product.

Line current interrupter in telephone sets, Relay, High speed and line transformer drivers, Meet the stringent requirements of automotive applications.



PIN1 G

PIN 2 S

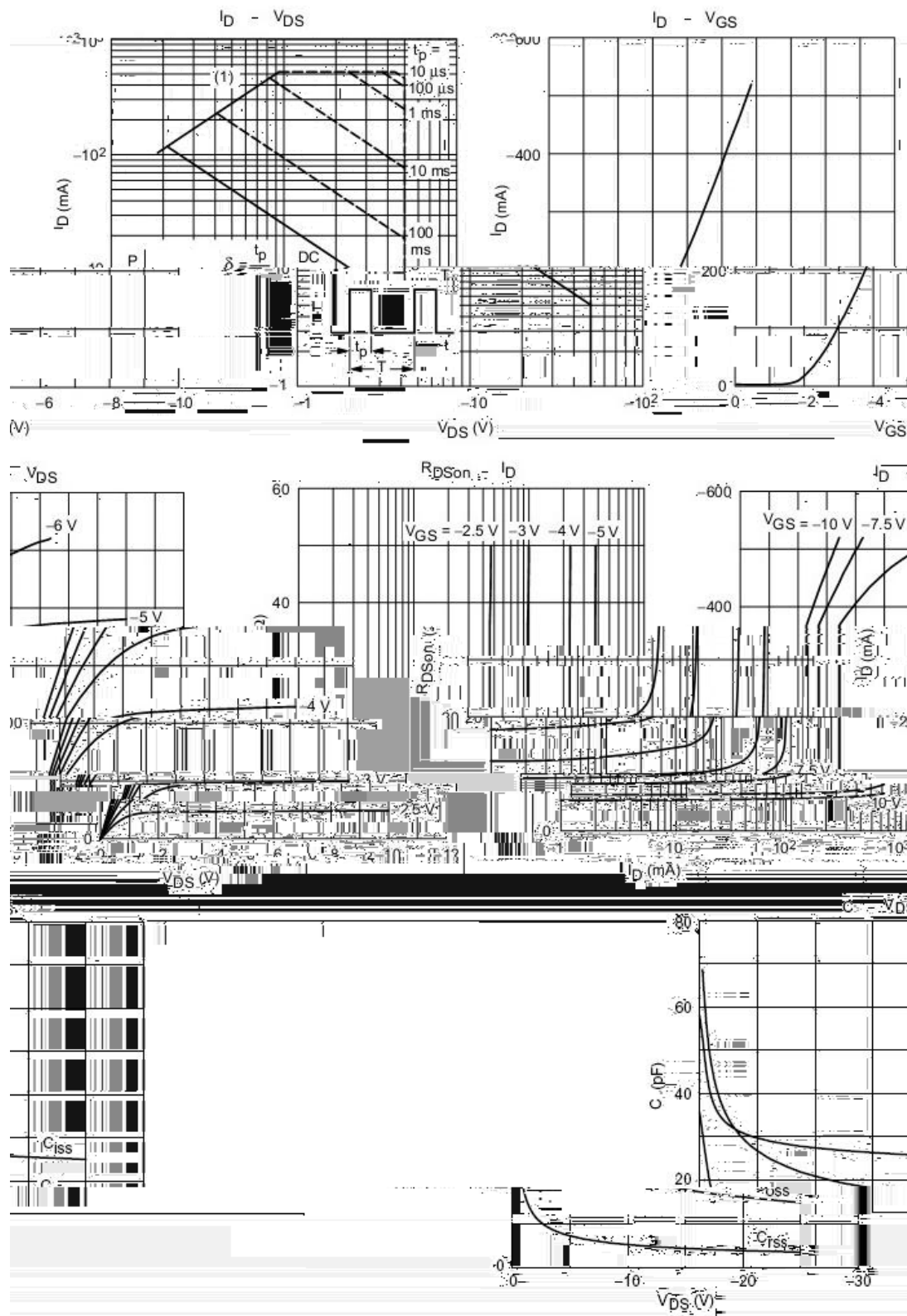
PIN 3 D

Marking

QSP

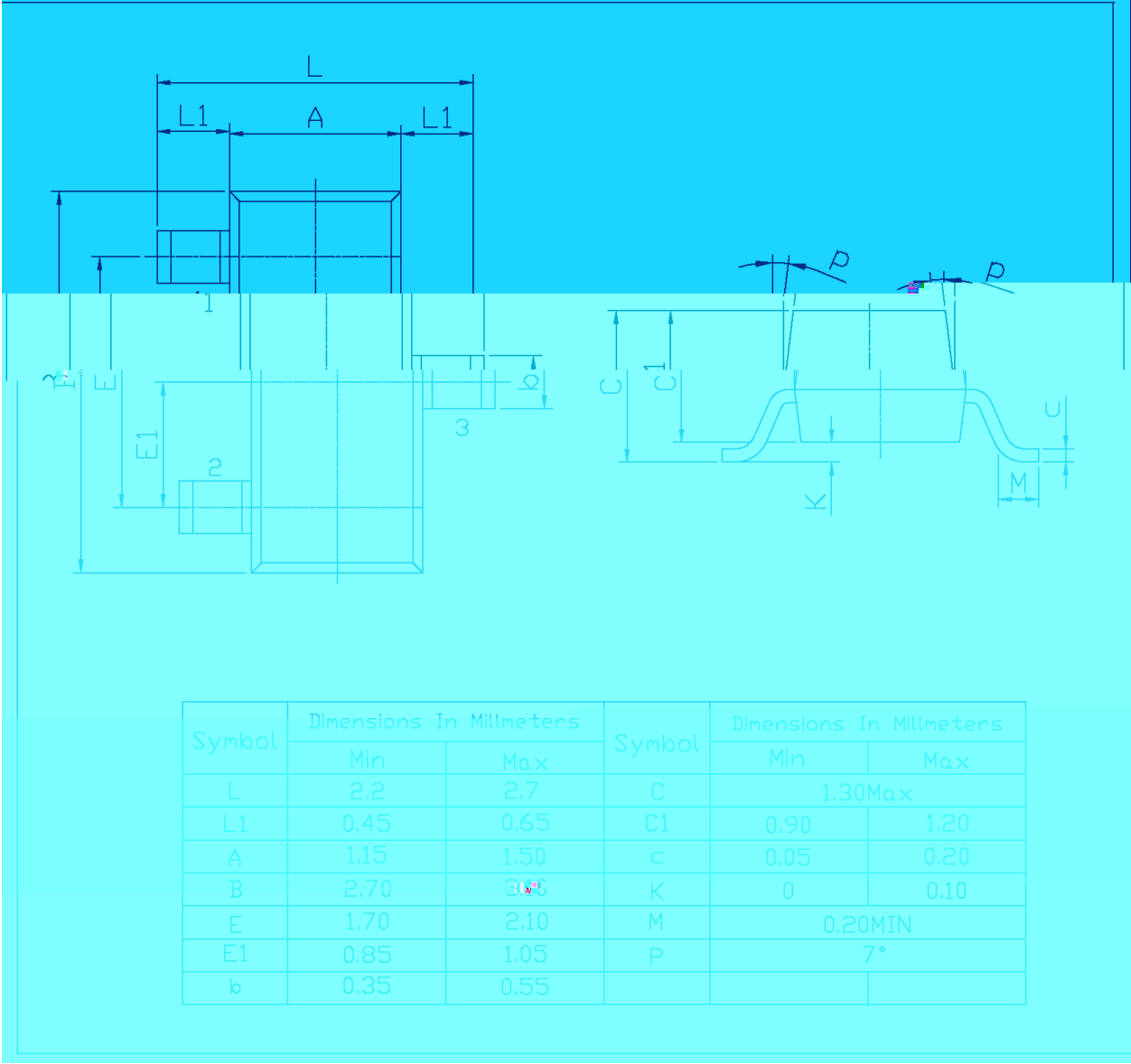
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DSS}	-50	V
Drain Current – Continuous	I_D	-130	mA
Peak Drain Current	I_{DM}	-520	mA
Gate-Source Voltage	V_{GSS}	± 20	V
Thermal Resistance, Junction-to-Ambient	R_{JA}	500	/W
Storage Temperature Range	T_{stg}	-65 to 150	
Junction Temperature Range	T_j	150	

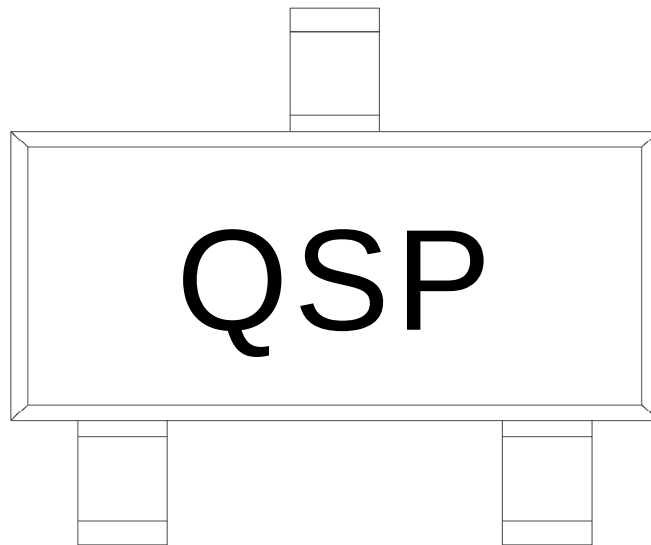
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Drain–Source Breakdown Voltage	V_{DSS}	$V_{GS}=0V$ $I_D=-10$ A	-50			V
Gate Threshold Voltage	$V_{GS(th)}$	$V_{DS}=V_{GS}$ $I_D=-250$ A	-0.8		-2.0	V
Zero Gate Voltage Drain Current	I_{DSS}	$V_{GS}=0V$ $V_{DS}=-40V$			-100	nA
		$V_{GS}=0V$ $V_{DS}=-50V$			-10	A



SOT-23

单位: mm





T

SP

Note:

Q: Automobile halogen-free product Code

SP: Product Type.

Temperature Profile for IR Reflow Soldering(Pb-Free)

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.

260 ± 5%

10 ± 1 sec.

Temp.:260 ± 5%

Time:10 ± 1 sec

/ REEL

Package Type