SOT-23 ҂ Ҍ Ь P ѕ ʃ, ѽ Ƶ ٦

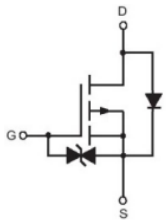
P-CHANNEL MOSFET in a SOT-23 Plastic Package.

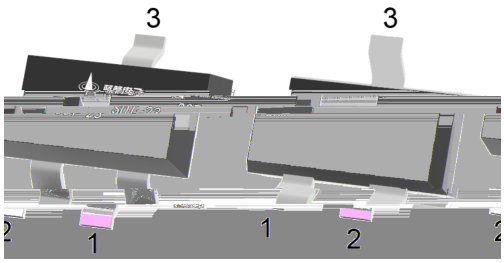
Ң Ầ ᵏ ɔ я ı F0 P RV ⁼ WWO ५ ɔ ت ì ì Æ ı Ầ ԋ ৯ ỷ ȏ ı گ ـ ɔ ǐ ד 4333Y ı ५ ᵀ DHF0T434 ‰ ́ ᴞ ᵎ ، ό ļ ∂ ı ṇ ғ β

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.

ἓ ɔ ʕ ₳ ɬ ό ɔ ╚ Ă ᴖ ᴴ ı ᴖ ɔ ᴴ ı ᴞ ৯ ɬ ό Ψ я ᴴ ᵢ ʊ ı ◗ ′ ∩ ҷ Ƶ ᵻ ₭ ļ ∂

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



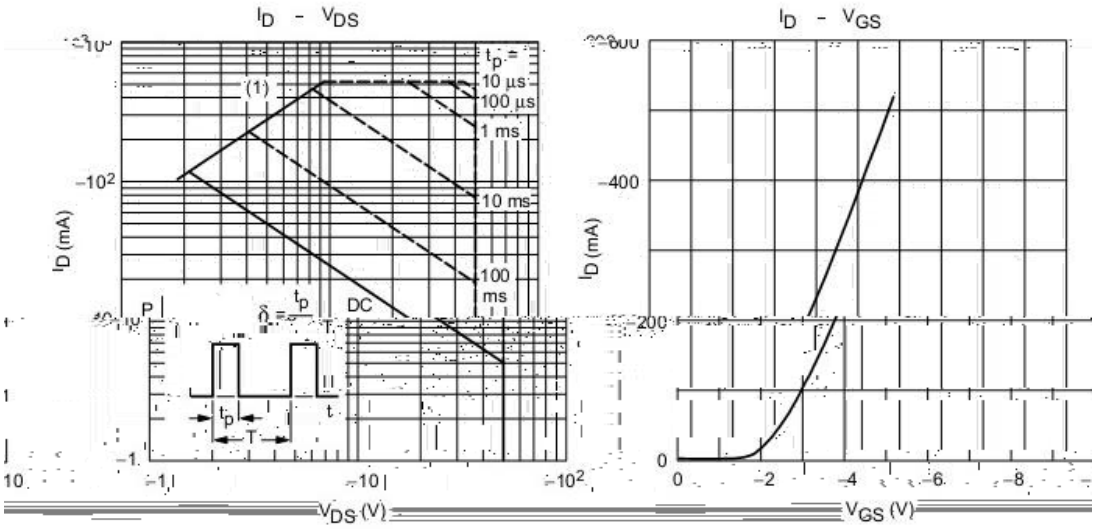


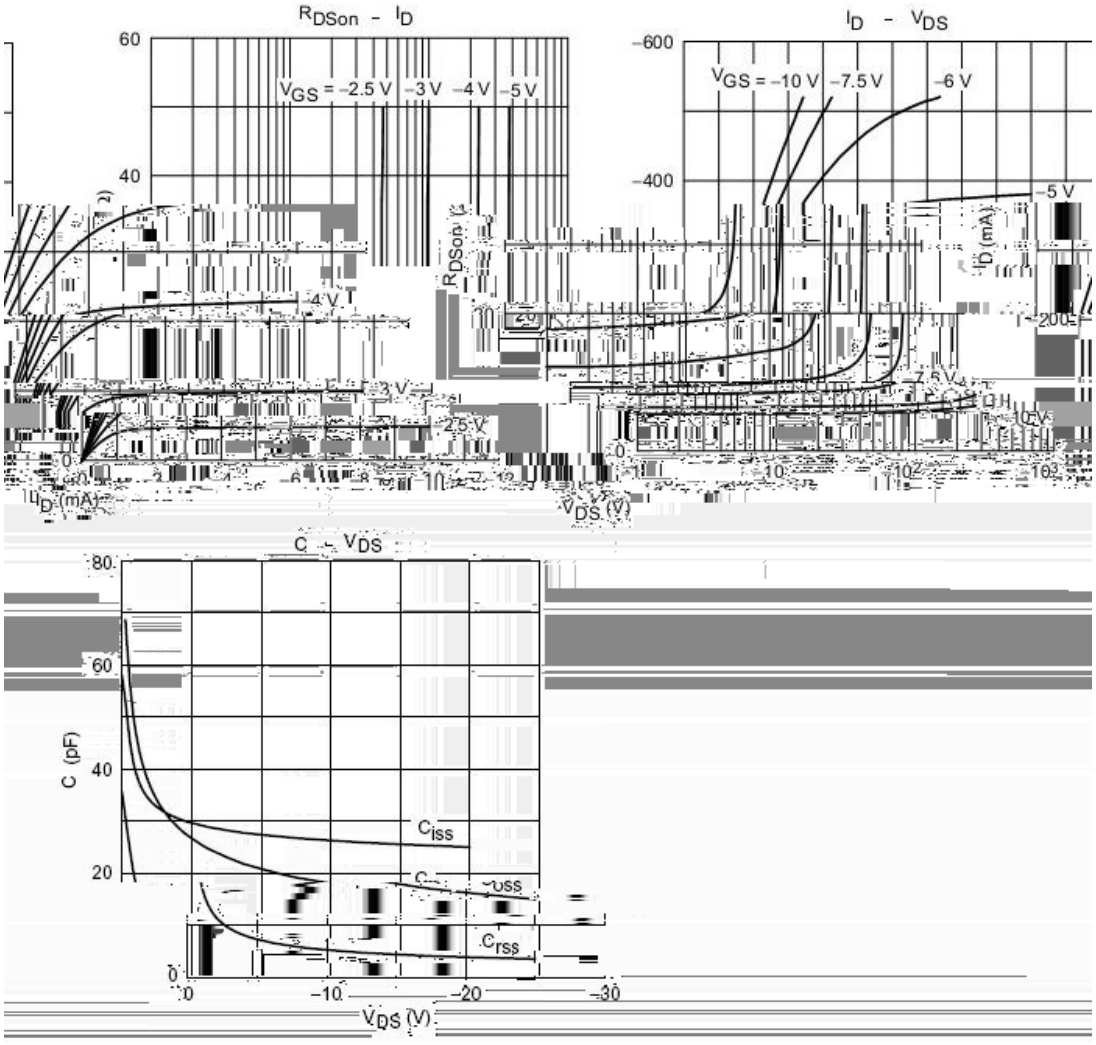
PIN1 χ G PIN 2 χ S PIN 3 χ D

Marking	QSP

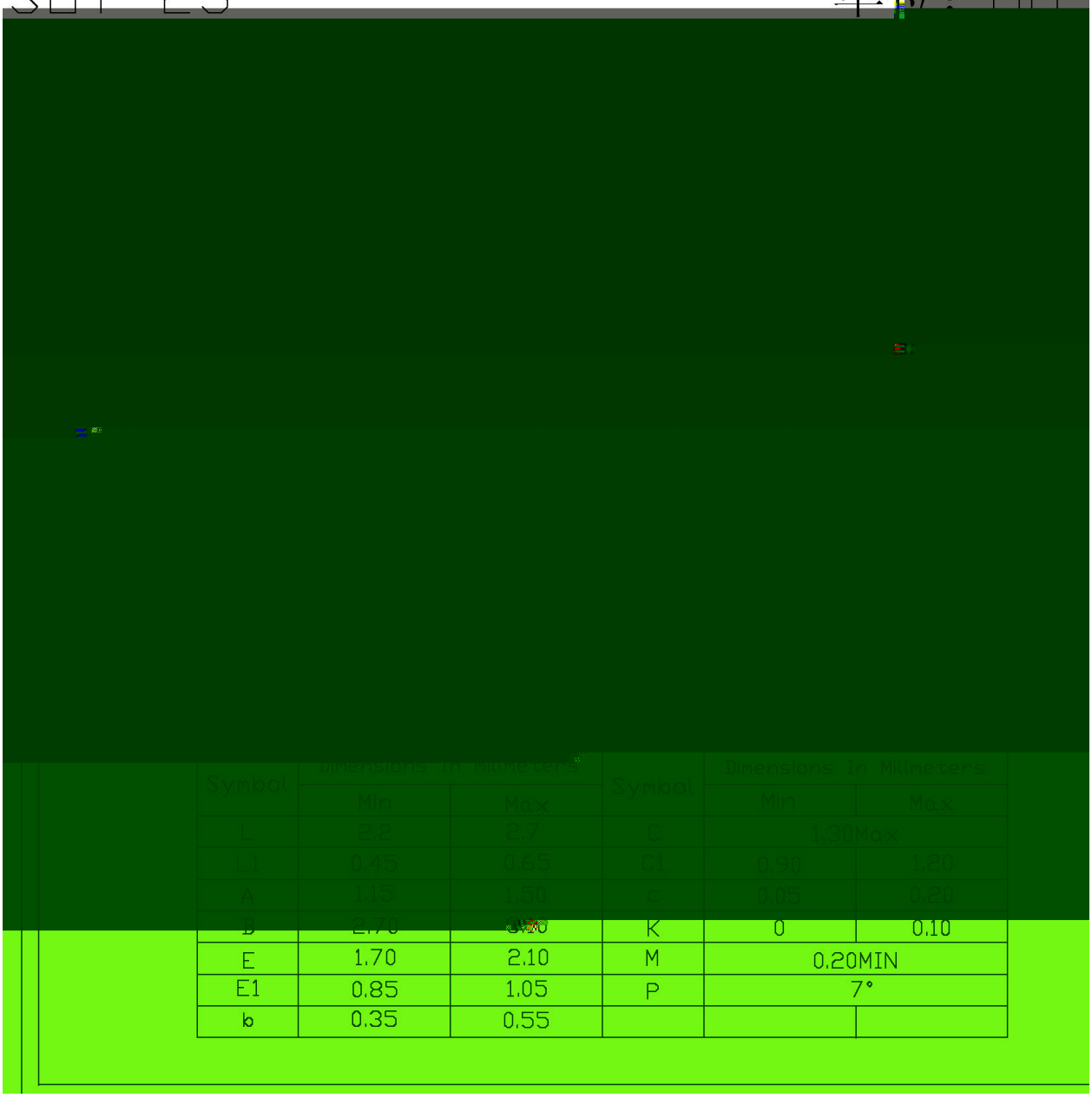
v ̈Ω Parameter	ϒ N Symbol	̈Ω Ö Rating	D Ꮋ Unit
Drain-Source Voltage	V_{DSS}	-50	V
Drain Current – Continuous	I_D	-130	mA
Peak Drain Current	I_{DM}	-520	mA
Gate-Source Voltage	V_{GSS}	±20	V
Thermal Resistance, Junction-to-Ambient	$R_{\theta JA}$	500	/W
Storage Temperature Range	T_{stg}	-65 to 150	
Junction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

v ̈Ω Parameter	ϒ N Symbol	⊥ ː ̂ ţ Test Conditions	ω ṇ Ö Min	Ɛ ʒ Ö Typ	ω ᶻ Ö Max	D Ꮋ Unit
Drain–Source Breakdown Voltage	V_{DSS}	V_{GS}=0V I_D=-10μA	-50			V
Gate Threshold Voltage	$V_{GS(th)}$	V_{DS}=V_{GS} I_D=-250μA	-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	μA

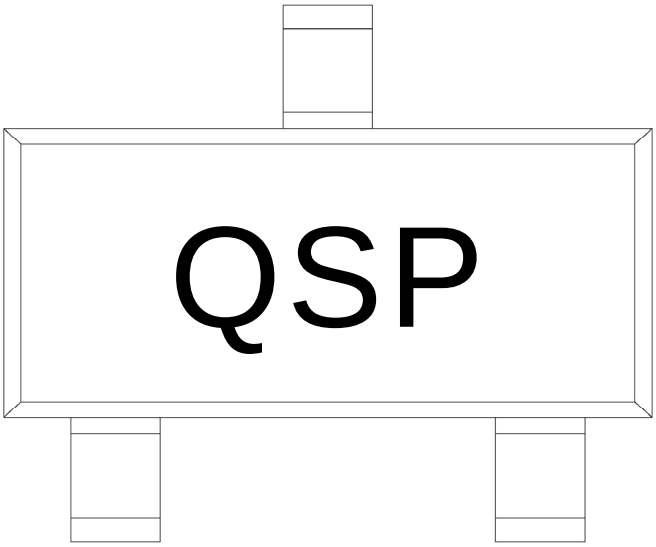

I_D - V_{DS}
t_p =
10 µs
100 µs
1 ms
10 ms
100 ms
DC
(1)
I_D (mA)
V_{DS} (V)
I_D - V_{GS}
I_D (mA)
V_{GS} (V)


R_{DSon} - I_D
V_{GS} = −2.5 V −3 V −4 V −5 V
R_{DSon}
I_D (mA)
I_D - V_{DS}
V_{GS} = −10 V −7.5 V −6 V
−5 V
I_D (mA)
V_{DS} (V)
C - V_{DS}
C_{iss}
C_{oss}
C_{rss}
C (pF)
V_{DS} (V)

SOT-23 单位：mm



Symbol	Dimensions In Millimeters		Symbol	Dimensions In Millimeters	
	Min	Max		Min	Max
L	2.2	2.7	C	1.30Max	
L1	0.45	0.65	C1	0.90	1.20
A	1.15	1.50	c	0.05	0.20
B	2.70	3.00	K	0	0.10
E	1.70	2.10	M	0.20MIN	
E1	0.85	1.05	P	7°	
b	0.35	0.55			



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SP χ ѭ ʒ ᴺ Γ

Note:

Q: Automobile halogen-free product Code

SP: Product Type.

Temperature Profile for IR Reflow Soldering(Pb-Free)

1	Ĺ ♬ □ ỷ 150 Ḱ 200 ɬ ı `H ڑ 60 Ḱ 120sec;
2	Š Ө □ ỷ 255 ° 5 ɬ ı `H ڑ `Y ﾊ ㎞ 5 ° 0.5sec;
3	ì ˙ ﾔ ˛ ɔ ෂ ỷ ㎞ 2 Ḱ 10 ɬ /sec.

Note:

1.Preheating:150~200 ɬ , Time:60~120sec.

2.Peak Temp.:255 ° 5 ɬ , Duration:5 ° 0.5sec.

3.Cooling Speed: 2~10 ɬ /sec.

□ ỷ χ 260 ° 5 ɬ	`H ڑ χ 10 ° 1 sec.	Temp.:260 ° 5 ɬ	Time:10 ° 1 sec

ɔ` ﾔ Ł / REEL

Package Type