/ Descriptions

SOT23-3 N MOS N- CHANNEL MOSFET in a SOT23-3 Plastic Package.

/ Features

V_{DS} (V) = 20V

I_D = 6 A (V_{GS} = 10V)

$R_{DS(ON)}$ < 24mΩ (V_{GS} = 10V)

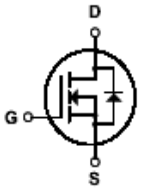
$R_{DS(ON)}$ < 27mΩ (V_{GS} = 4.5V)

Halogen free product.

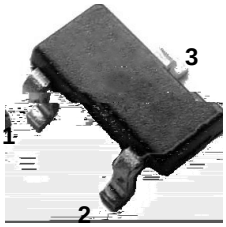
/ Applications

This device is suitable for use as a load switch or in PWM applications.

/ Equivalent Circuit



/ Pinning



PIN1 G PIN 2 S PIN 3 D

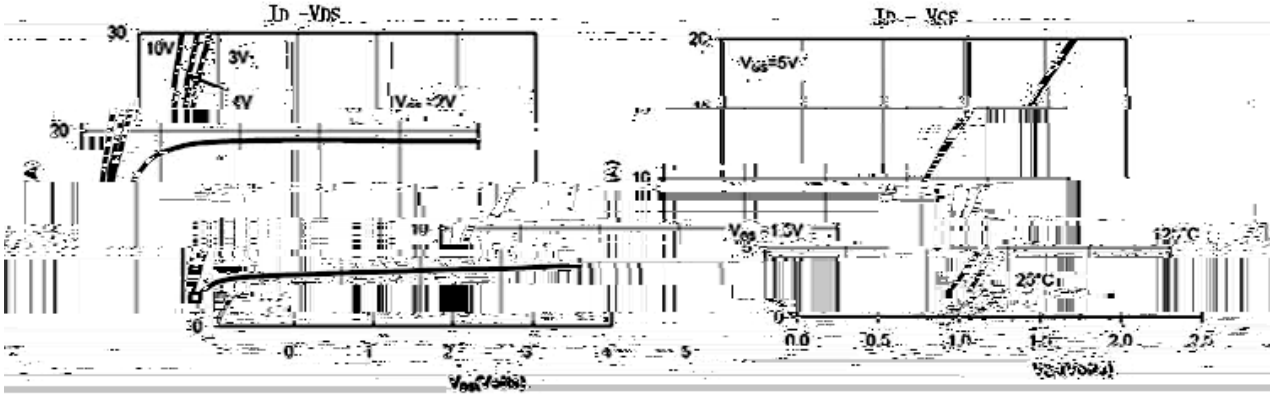
/ Marking

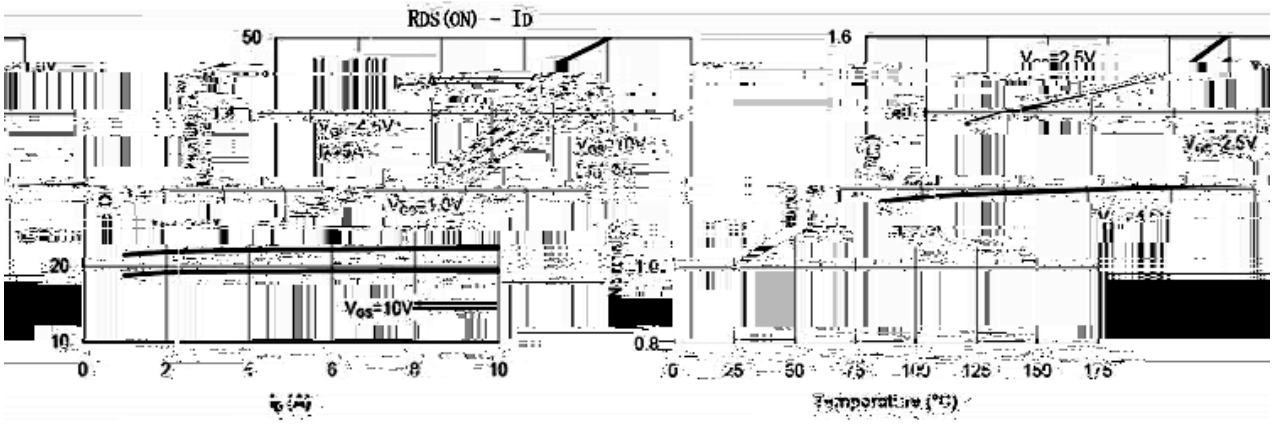
Marking	ALH

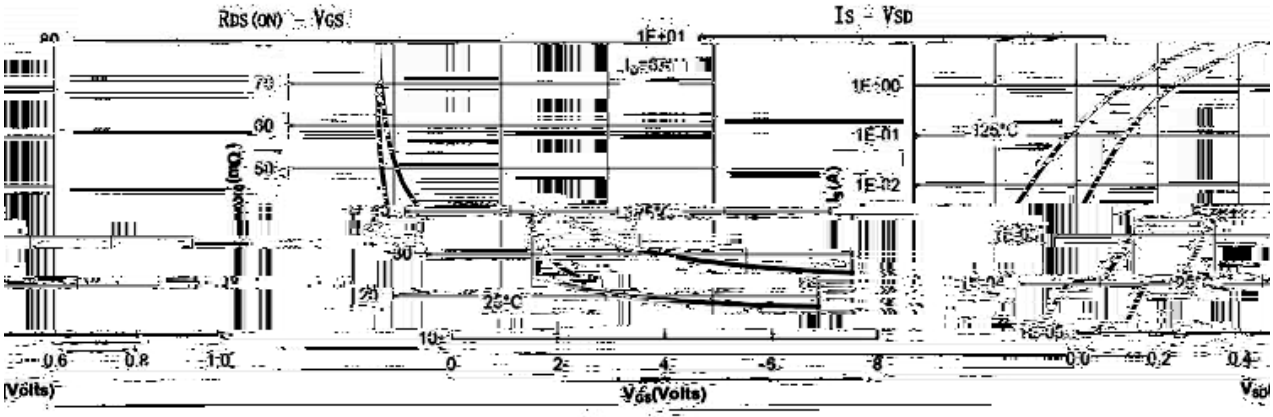
Parameter	Symbol	Rating	Unit
Drain-Source Voltage	V_{DS}	20	V
Drain Current – Continuous	I_D	6	A
Drain Current- Continuous	$I_D(T_a=70$)	5	A

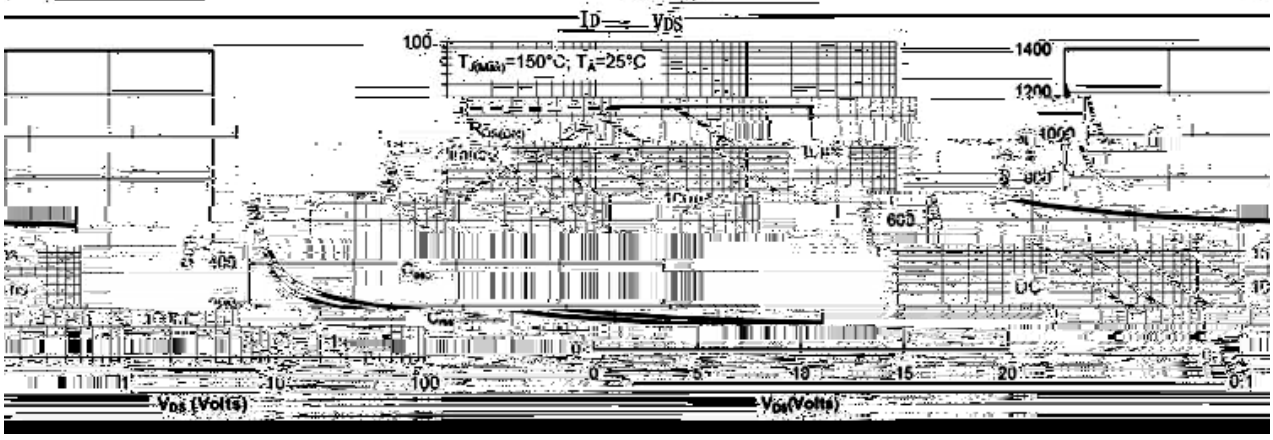
Pulsed Drain CurrePuTJET-wD<Con7.02 0 0 7.02 340.14 37Tm6037f-.0042 Tc0 Tw(D)Tj1M.5 0 0 10.5 336.18 48fB
a9C1

/ Electrical Characteristic Curve



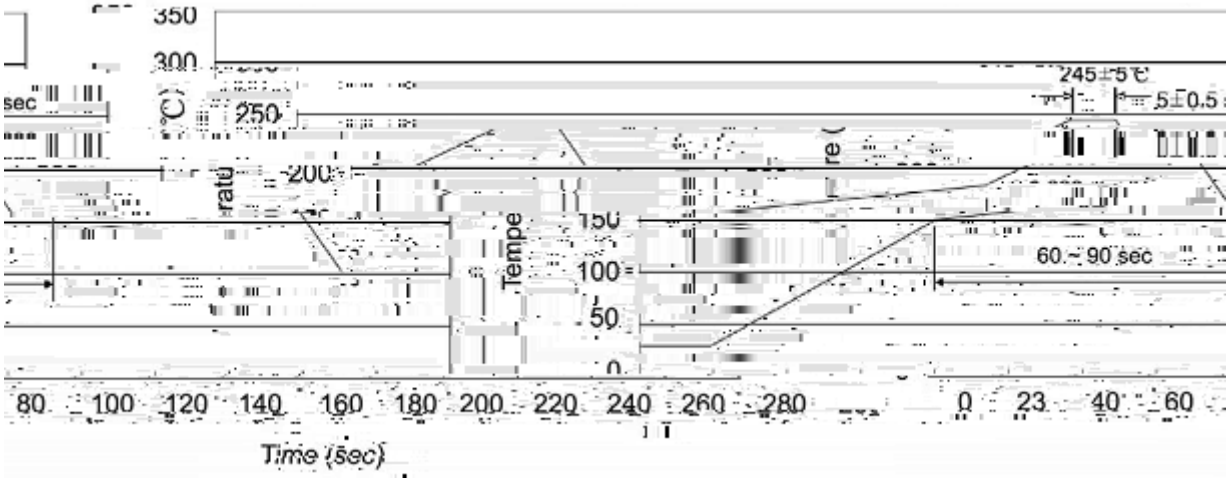






BRCS3420MC

( ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



1	25	150		60	90sec;		
2	245±5				5±0.5sec;		
3			2	10	/sec.		

Note:

1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:245±5 , Duration:5±0.5sec.

3. Cooling Spm-.0007432~1(c)-8J/TT7 1 Tf15 6689.320 Tc0 T