

## CMKT3920 50V, 200mA Dual, NPN Transistors in SOT-363 package



Central Semiconductor's CMKT3920 consists of two 50V, 200mA NPN transistors packaged in the space saving SOT-363. Designed for general purpose amplification and switching, the CMKT3920 is ideal for a wide range of power management applications.

### Features:

- Low  $V_{CE(SAT)}$
- High current rating
- Low capacitance

### Applications:

- Load switching
- Small signal amplification
- Lamp and relay drivers
- MOSFET gate driver

### Benefits:

- Two transistors in a single package
- Space saving SOT-363 package
- Low conduction loss

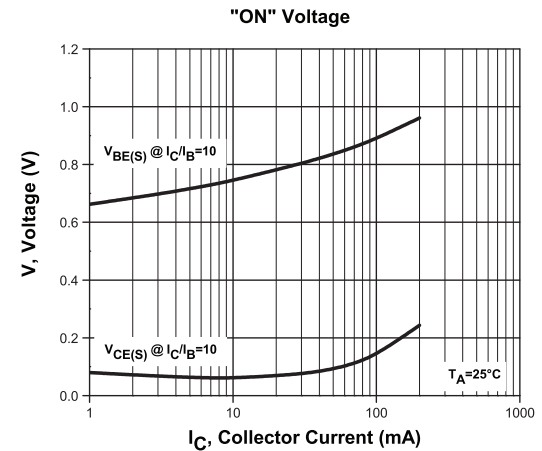
### Literature



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### Typical Electrical Characteristics



### Samples



To order samples of this device visit:  
[www.centrasemi.com/info/CMKT3920](http://www.centrasemi.com/info/CMKT3920)

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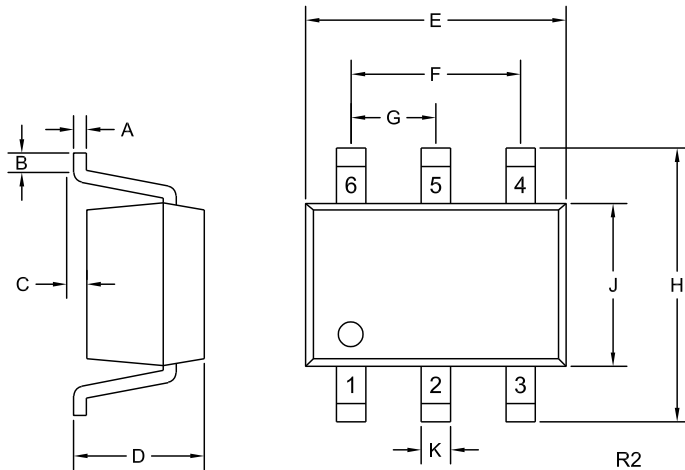


Maximum Ratings ( $T_A = 25^\circ\text{C}$ )				Electrical Characteristics: ( $T_A = 25^\circ\text{C}$ unless otherwise noted)												
$I_C$	$P_D$	$T_J, T_{stg}$	$\Theta_{JA}$	$BV_{CBO}$	$BV_{CEO}$	$BV_{EBO}$	$I_{CBO} @ V_{CB}$		$h_{FE}$		$@ V_{CE} @ I_C$		$V_{CE(SAT)}$	$@ I_C$	$C_{ob}$	$f_T$
(mA)	(mW)	( $^\circ\text{C}$ )	( $^\circ\text{C}/\text{W}$ )	(V)	(V)	(V)	(nA)	(V)	MIN	MAX	(V)	(mA)	(V)	(mA)	(pF)	(MHz)
MAX	MAX	MAX	MAX	MIN	MIN	MIN	MAX	MAX	MIN	MAX	MIN	MAX	MAX	MAX	MAX	MIN
200	350	-65 to +150	357	60	50	7.0	100	60	120	560	6.0	1.0	0.4	50	3.5	300

# CMKT3920

## 50V, 200mA Dual, NPN Transistors in SOT-363 package

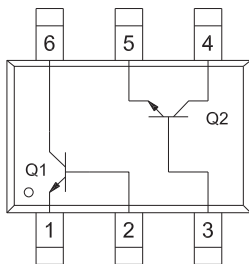
### Mechanical Drawing - SOT-363



SYMBOL	DIMENSIONS			
	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.004	0.010	0.10	0.25
B	0.005	-	0.12	-
C	0.000	0.004	0.00	0.10
D	0.031	0.043	0.80	1.10
E	0.071	0.087	1.80	2.20
F	0.051		1.30	
G	0.026		0.65	
H	0.075	0.091	1.90	2.30
J	0.043	0.055	1.10	1.40
K	0.006	0.012	0.15	0.30

SOT-363 (REV: R2)

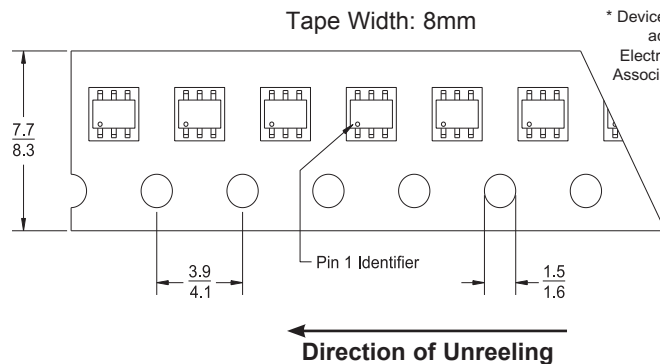
### Lead Code



- 1) Emitter Q1
- 2) Base Q1
- 3) Base Q2
- 4) Collector Q2
- 5) Emitter Q2
- 6) Collector Q1

**MARKING CODE:**  
K20

### Tape Dimensions and Orientation (Dimensions in mm)



\* Devices are taped in accordance with Electronic Industries Association Standard EIA-481-1-A

### Packaging Base / Ordering Information

Reel Size	Quantity	Central Item No.
7"	3,000	CMKT3920 TR

### Reel Packing Information

Reel Size	Reels per Box (Maximum)	Parts per Box (Maximum)	Box Dimensions		Shipping Weight (Max.)	
			INCH	CM	LB	KG
7"	9	27,000	9x9x5	23x23x13	3	2
	18	54,000	9x9x9	23x23x23	6	3
	40	120,000	21x9x9	53x23x23	13	6
	108	324,000	27x9x17	69x23x43	34	16

Sample devices available upon request. To order samples of this device visit: [www.centrasemi.com/info/CMKT3920](http://www.centrasemi.com/info/CMKT3920)



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