

CTLT8099-M322S

80V, 500mA NPN Transistor in the TLM322S package



TLM322S

Central Semiconductor's CTLT8099-M322S is an energy efficient NPN transistor manufactured by the epitaxial planar process, packaged in a epoxy molded low profile TLM322S case. This device is ideal for general purpose switching and amplification needs in circuits requiring a small package footprint and highly efficient energy performance.

Features:

- Low $V_{CE(SAT)}$
- High power density
- Thermally efficient package

Applications:

- Load switching
- Display drive
- Power management
- Gate drive

Benefits:

- Low profile TLM322S package
- Space saving
- Energy efficiency

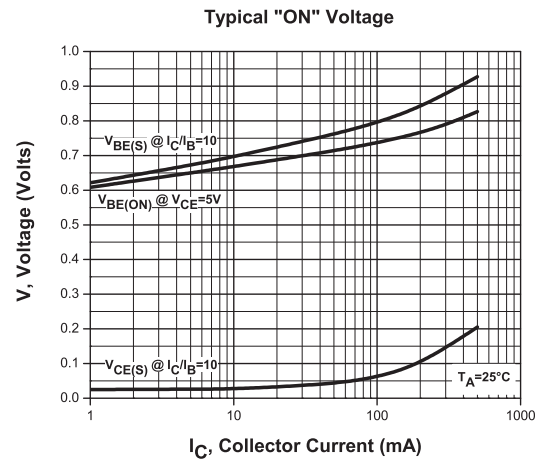
Literature:



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Typical Electrical Characteristics



Samples:



To order samples of this device visit:
www.centrasemi.com/info/CTLT8099-M322S

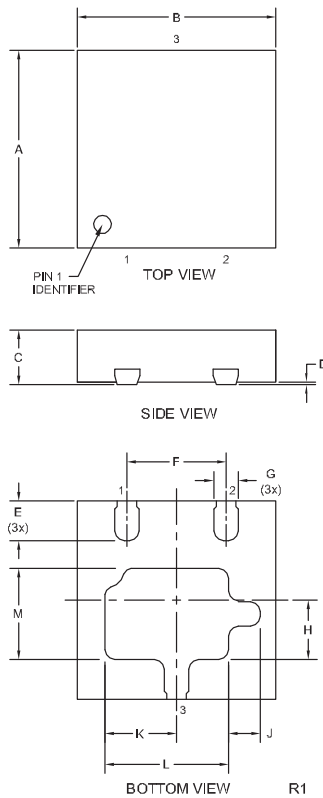
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product web page.



Maximum Ratings ($T_A = 25^\circ\text{C}$ unless otherwise noted)				Electrical Characteristics: ($T_A = 25^\circ\text{C}$ unless otherwise noted)												
I_C	P_D	T_J, T_{stg}	θ_{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) MAX	(W) MAX	($^\circ\text{C}$) MAX	($^\circ\text{C}/\text{W}$) MAX	(V) MIN	(V) MIN	(V) MIN	(μA) MAX	(V)	MIN	MAX	(V)	(mA)	(pF) MAX	(MHz) MIN		
500	1.45	-65 to +150	86.2	80	80	6.0	0.1	80	100	300	5.0	1.0	0.3	100	6.0	150

Mechanical Drawing - TLM322S



SYMBOL	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.076	0.081	1.95	2.05
B	0.076	0.081	1.95	2.05
C	0.019	0.024	0.50	0.60
D	0.000	0.002	0.00	0.05
E	0.011	0.020	0.30	0.50
F	0.039		1.00	
G	0.007	0.012	0.18	0.30
H	0.017	0.028	0.45	0.70
J	0.008	0.017	0.22	0.43
K	0.024	0.033	0.62	0.83
L	0.043	0.054	1.10	1.35
M	0.030	0.041	0.77	1.03

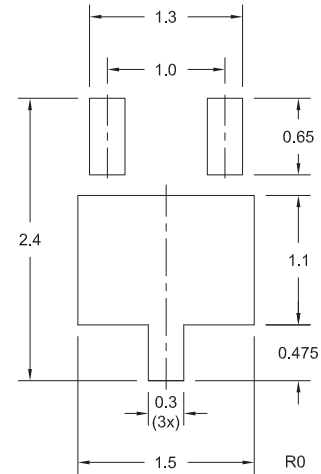
TLM322S (REV:R1)

LEAD CODES:

- 1) Base
- 2) Emitter
- 3) Collector

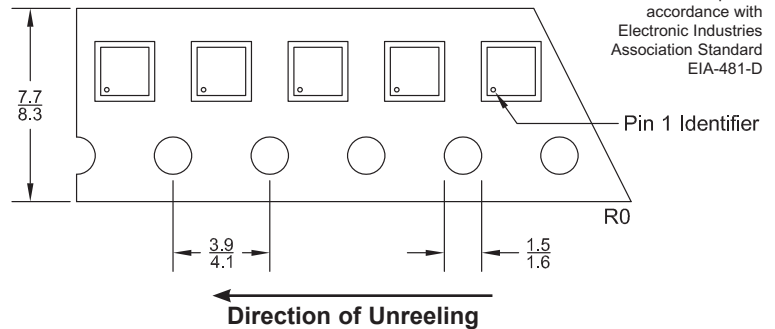
MARKING CODE: 89C

Suggested Mounting Pads (Dimensions in mm)



Tape Dimensions and Orientation (Dimensions in mm)

Tape Width: 8mm



Devices are taped in accordance with Electronic Industries Association Standard EIA-481-D

Packaging Base / Ordering Information

Reel Size	Quantity	Central Item No.
7"	3,000	CTLT8099-M322S 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	4	2
	17	51,000	9x9x9	23x23x23	7	4
	40	120,000	21x9x9	53x23x23	14	7
	108	324,000	27x9x17	69x23x43	39	18

Sample devices available upon request. To order samples of this device visit: www.centrasemi.com/info/CTLT8099-M322S



For further information contact:
Sales at Central Semiconductor Corp.
(631) 435-1110 or visit:
www.centrasemi.com