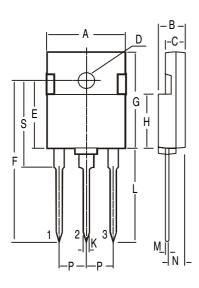


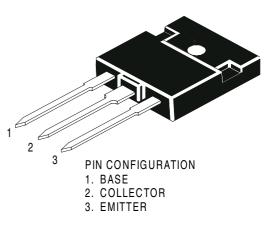
NPN SILICON PLASTIC POWER DARLINGTON TRANSISTOR	CN1016 (9AW)
	TO-3P
	MARKING:- CN 1016

ABSOLUTE MAXIMUM RATINGS(Ta=25deg C)								
DESCRIPTION	SYMBOL		VALUE			UNIT		
Collector -Base Voltage	VCBO		160			V		
Collector -Emitter Voltage	VCEO		150			V		
Emitter Base Voltage	VEBO		5.0			V		
Collector Current	IC		10			А		
Peak t=30ms	ICP 15				А			
Base Current	IB 1.0			А				
Collector Power Dissipation @ Tc=25 deg C	PC 60			W				
Junction Temperature	Тј 150			deg C				
Storage Temperature Range	Tstg -55 to +150			deg C				
ELECTRICAL CHARACTERISTICS (Ta=25 deg C Unless Specified)								
DESCRIPTION	SYMBOL	TEST CONDITION	MIN	TYP	MAX	UNIT		
Collector Cut off Current	ICBO	VCB=160V, IE=0	-	-	100	uA		
Emitter Cut off Current	IEBO	VEB=5V, IC=0	-	-	3.0	mA		
Collector Emitter Voltage	VCEO	IC=30mA, IB=0	150	-	-	V		
DC Current Gain	hFE	IC=6A, VCE=4V	2.0	-	20	K		
		IC=10A, VCE=4V	1.0	-	-	K		
Collector Emitter Saturation Voltage	VCE(Sat)	IC=6A, IB=6mA	-	-	2.5	V		
Base Emitter Saturation Voltage	VBE(Sat)	IC=6A, IB=6mA	-	-	3.0	V		
Dynamic Characteristics								
Transition Frequency	ft	VCE=12V, IC=1A,	-	80	-	MHz		
Collector Output Capacitance	Cob	VCB=10V, IE=0	-	85	-	pF		
		f=1MHz						

TO-3P (TO-218) Plastic Package



	DIM	MIN.	MAX.
	Α	15.80	16.40
-	В	5.20	5.70
	С	3.80	4.20
	D	Ø3.30	Ø3.60
	Е	14.50	15.10
	F	33.25	36.75
	G	20.75	21.25
	Н	11.50	12.25
ш	K	1.00	1.30
ц Ц	L	18.75	21.65
dimensions in mm.	М	0.40	0.60
ensi	Ν	3.15	3.45
dime	Р	5.21	5.72
All o	S	18.75	19.25



TO BE MOUNTED WITH SILICONE GREASE ON THE BACK SIDE, ENSURING BACK SIDE HOLES FILLED.

Packing Detail

PACKAGE	STAND/	ARD PACK	INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
T0-3P	100 pcs/polybag	628 gm/100 pcs	3" x 7.5" x 7.5"	0.3K	17" x 15" x 13.5"	4.8K	42 kgs

Notes

Disclaimer

The product information and the selection guides facilitate selection of the CDIL's Discrete Semiconductor Device(s) best suited for application in your product(s) as per your requirement. It is recommended that you completely review our Data Sheet(s) so as to confirm that the Device(s) meet functionality parameters for your application. The information furnished on the CDIL Web Site/CD is believed to be accurate and reliable. CDIL however, does not assume responsibility for inaccuracies or incomplete information. Furthermore, CDIL does not assume liability whatsoever, arising out of the application or use of any CDIL product; neither does it convey any license under its patent rights nor rights of others. These products are not designed for use in life saving/support appliances or systems. CDIL customers selling these products (either as individual Discrete Semiconductor Devices or incorporated in their end products), in any life saving/support appliances or systems or applications do so at their own risk and CDIL will not be responsible for any damages resulting from such sale(s).

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Data Sheet