

YJD106506DQG2Q

Typical Applications

Typical applications are in power inverter, uninterruptible power supplies, inductive motor drives, and automotive battery chargers.

Mechanical Data

Package: TO-252
Molding compound meets UL 94 V-0 rating, RoHS-compliant, halogen-free
Terminals: Tin plated leads
Polarity: As marked

Maximum Ratings (T_C = 25°C Unless otherwise specified)

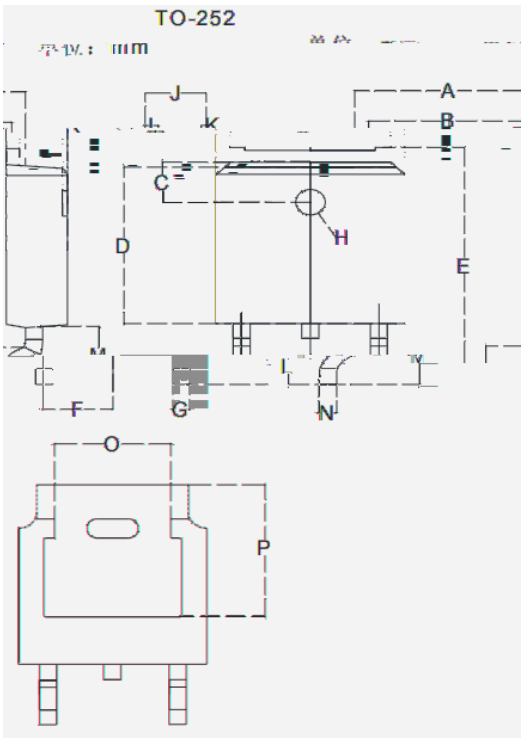
PARAMETER	SYMBOL	UNIT	VALUE
Device marking code			D106506DQG2
Reverse voltage (repetitive) @ 25°C	V _{RRM}	V	650
Reverse voltage (Surge Peak) @ 25°C	V _{RSM}	V	650
Reverse voltage (DC) @ 25°C	V _{DC}	V	650
Continuous forward current @ T _a = 25°C	I _F	A	2.3
Continuous forward current @ T _a = 175°C	I _F	A	1.1

Continuous forward current @ T_a





Outline Dimensions



TO-252		
Dim	Min	Max
A	6.500	6.700
B	5.100	5.460
C	1.400	1.800
D	6.200	6.000
E	10.400	10.000
F	2.366	2.166
G	0.860	0.660
H	$\Phi 1.050$	$\Phi 1.350$
I	0.460	0.580
J	2.200	2.400
K	$\Phi 3.000$	Φ
L	2.290	0.890
M	2.320	2.300
N	0.430	0.580
O	4.20	4.95
P	6.15	6.45



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