DOCUMENT CHANGE REQUEST

DCR number 423	Changes required for: N/A	Originator: aissa nehdi
Date: 2008/07/24	Date sent: 2008/07/24	Organisation: CNES
Status: IMPLEMENTED		

Title:	Transistors Low Power NPN, based on type 2N2484		
Number:	5201/001	Issue:	3

Other documents affected:

5201/004-2, 5201/006-2, 5202/001-3, 5202/008-2, 5202/014-2

Page:

1.4.2 Component Type Variants page 5
1.6 PHYSICAL DIMENSIONS AND TERMINAL IDENTIFICATION page 6

Paragraph:

1.4.2 Component Type Variants page 5
1.6 PHYSICAL DIMENSIONS AND TERMINAL IDENTIFICATION page 6

Original wording:

Proposed wording:

Variants 6 & 7 added (Chip Carrier Package CCP) 3 terminal

Justification:

na

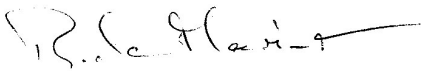
Attachments:

DCR423att.pdf, dcr423att08_09_19.pdf, null

Modifications:

See attachment

Approval signature:



Date signed:

2008-07-24

MODIFIED ATTACHMENT FOR DCR 423

SHOWING "APPROVED WORDING" IF DIFFERENT FROM "PROPOSED WORDING":

1.4.2 Component Type Variants
The component type variants applicable to this specification are as follows:

Variant Number	Based on Type	Case	Lead/Terminal Material and finish	Weight max g
01	2N3700	TO-18	D2	0.4
02	2N3700	TO-18	D3 or D4	0.4
04	2N3700	CCP	2	0.06
05	2N3700	CCP	4	0.06
06	2N3700	CCP	2	0.06
07	2N3700	CCP	4	0.06

(4Terminal)

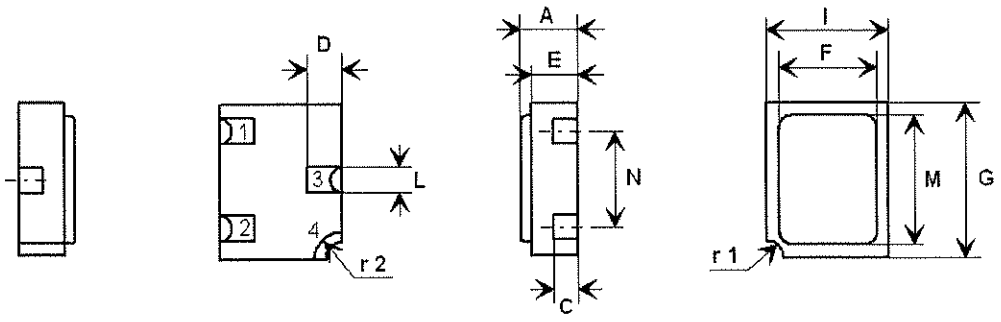
(3Terminal)

Note: Based on Type number as per applicable Detail Spec i.e.:
2N3700, 2N2907A, 2N5401, 2N4033, 2N2369A, 2N2484

1.7 Functional Diagram
see markup of Para 1.7 attached: *

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1.6.3 Chip Carrier Package (CCP) - 3 terminal



Symbols	Dimensions mm		Notes
	Min	Max	
A	1.15	1.5	
C	0.45	0.56	2
D	0.6	0.91	2
E	0.91	1.12	
F	1.9	2.15	
G	2.9	3.25	
I	2.4	2.85	
L	0.4	0.6	2
M	2.4	2.65	
N	1.8	2	
r1	0.3 TYPICAL		1
r2	0.56 TYPICAL		1

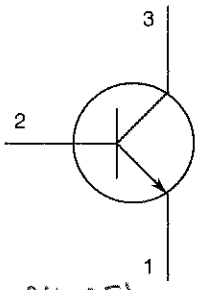
NOTES:

1. Terminal identification is specified by reference to the corner notch position where terminal 1 = emitter, terminal 2 = base, terminal 3 = collector, terminal 4 = Shielding connected to the lid.
2. Applies to All terminals, 1, 2, 3 S

Symbols	Dimensions mm		Notes
	Min	Max	
A	1.15	1.5	
C	0.45	0.56	2
D	0.6	0.91	2
E	0.91	1.12	
F	1.9	2.15	
G	2.9	3.25	
I	2.4	2.85	
L	0.4	0.6	2
M	2.4	2.65	
N	1.8	2	
r	0.3 TYPICAL		1

NOTES:
1. Terminal identification is specified by reference to the corner notch position where terminal 1 = emitter, terminal 2 = base, terminal 3 = collector.
2. Applies to all terminals.

1.7 FUNCTIONAL DIAGRAM



1. Emitter.
2. Base.
3. Collector.
4. Shield

3 terminal (Variants 04, 05)

NOTES:
1. For TO-18, the collector is internally connected to the case.
2. For CCP, the lid is not connected to any terminal.
3. For 4 terminal CCP (Variants 06, 07), the shielding terminal is connected to the lid.

1.8 MATERIALS AND FINISHES

Materials and finishes shall be as follows:

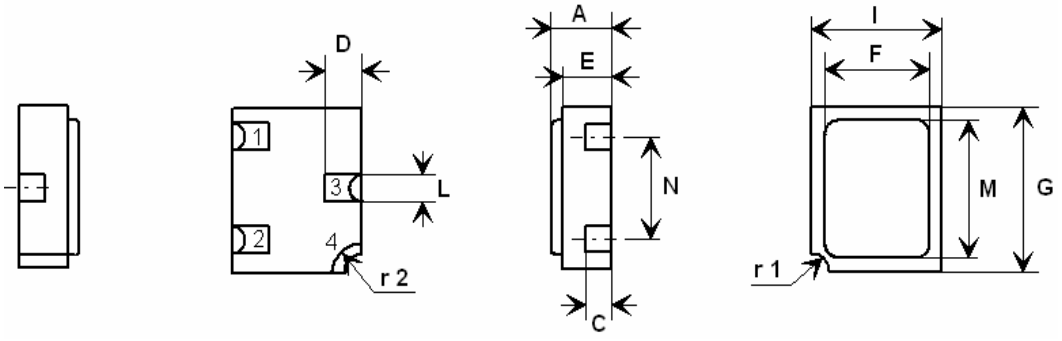
a) Case
For the metal can package the case shall be hermetically sealed and have a metal body with hard glass seals.
For the chip carrier package the case shall be hermetically sealed and have a ceramic body with a Kovar lid.

b) Leads/Terminals

1.4.2 Component Type Variants
The component type variants applicable to this specification are as follows:

Variant Number	Based on Type	Case	Lead/Terminal Material and finish	Weight max g
01	2N3700	**TO-18**	**D2**	**0.4**
02	2N3700	**TO-18**	**D3 or D4**	**0.4**
04	2N3700	**CCP**	**2**	**0.06**
05	2N3700	**CCP**	**4**	**0.06**
06	2N3700	**CCP**	**2**	**0.06**
07	2N3700	**CCP**	**4**	**0.06**

1.6.3 Chip Carrier Package (CCP) - 3 terminal



Symbols	Dimensions mm		Notes
	Min	Max	
A	1.15	1.5	
C	0.45	0.56	2
D	0.6	0.91	2
E	0.91	1.12	
F	1.9	2.15	
G	2.9	3.25	
I	2.4	2.85	
L	0.4	0.6	2
M	2.4	2.65	
N	1.8	2	
r1	0.3 TYPICAL		1
r2	0.56 TYPICAL		

NOTES:

1. Terminal identification is specified by reference to the corner notch position where terminal 1 = emitter, terminal 2 = base, terminal 3 = collector, terminal 4 = Shielding connected to the lid.
2. Applies to all terminals.