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LOC DIST

E B

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
C1		ECR-10-013553	26JUN10	KK	HMR

350.2(13.787)  
349.8(13.771)

405(15.940)  
395(15.556)

165.20(6.509)  
164.80(6.493)

165.20(6.509)  
164.80(6.493)

10.20(4.02)  
9.60(3.86)

5.0(0.197)  
4.4(0.181)  
(6 OFF)

15.2(0.599)  
14.8(0.583)  
13.2(0.520)  
12.8(0.504)

1.7(0.067)  
1.3(0.051)

END SEAL  
(SEE NOTE 3)

6.20(2.44)  
5.80(2.29)  
60.20(2.372)  
59.80(2.356)  
72.30(2.849)  
71.70(2.825)

50.2(1.976)  
49.8(1.961)

10.20(4.02)  
9.80(3.86)

R 1.2(0.047)  
0.8(0.031)  
TYP

16-14 AWG (STRANDED) A/R (SEE NOTE 4)

C-34123 (2 OFF)  
AMP TERMINAL RING

TJH1000 FROM RAW EXTRUSION FROM TE  
PART NUMBER 0-1676489-1

SPECIFICATION TABLE

TE PART NO. - 0-1630955-1

POWER RATING	600W
POWER RATING 600W FOR A MAXIMUM CASE SURFACE TEMPERATURE OF 150 C	
RESISTANCE	5 Ohms
STANDARD TOLERANCE	+/- 10 %
INSULATION VOLTAGE ACrms	2.5KV
INSULATION RESISTANCE GOhm	>90
SERIES INDUCTANCE uH	6.5
OPERATING TEMPERATURE RANGE	-60 C TO +150 C
HEAT SINK RATING	0.38 C/W

NOTES:

- FINISH: EXTRUSION TO BE CLEAN AND DEBURRED  
EXTRUSION TO BE ANODISED NATURAL CLEAR 9um +/- 1um
- INTERNAL FILLER FORTAFIX CEMENT
- END SEAL: BOTH ENDS TO BE SEALED WITH DOW CORNING 736 SEALANT
- WIRE: 32/0.2mm SILICONE COATED NICKEL COATED COPPER WIRE

MANUFACTURER: TE

ORDERING PROCEDURE:

QUOTE GOODRICH REFERENCE NUMBER, CURRENT ISSUE OF DRAWING  
86603341, CURRENT ISSUE OF DRAWING

THIS ITEM IS FOR AEROSPACE APPLICATION AND IS SUBJECT TO TYPE APPROVAL. TESTING NO CHANGE TO ITEMS SUPPLIED TO THIS DESIGN STANDARD IS PERMITTED EXCEPT AS AUTHORIZED BY "GOODRICH CONTROL SYSTEMS LIMITED - ENGINE CONTROL SYSTEMS". ITEMS MAY BE PURCHASED EITHER FROM THE MANUFACTURER OR THEIR APPROVED AGENTS, BUT IN ALL CASES ALTERNATIVE MANUFACTURERS TO THOSE LISTED UNDER THE GOODRICH CONTROL SYSTEMS LIMITED - ENGINE CONTROL SYSTEMS PART NO. ARE NOT PERMITTED

Schedule

TE Part No.	Description	Customer Part No.
0-1630955-1	TJH1000 BRAKE RESISTOR (5 Ohms) 400mm Leads	090915-01

NOTE:

1

OBSOLETE

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
MM

MATERIAL

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± -
1 PLC	± 0.2
2 PLC	± -
3 PLC	± -
4 PLC	± -
ANGLES	± -

FINISH

DWN 05-09-03

Chris Bolle

CHK 05-09-03

Chris Bolle

APVD 05-09-03

Jonathan Catchpole

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING

05-09-03

Tyco Electronics Corporation  
Dorcan, Swindon, GB

NAME

TJH1000 BRAKE RESISTOR

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C-1630955

-

SCALE 1:1

SHEET 1 OF 3

REV C1

AMP 1470-19 REV 31MAR2000

4

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LOC DIST

E B

REVISIONS

P	LTR	DESCRIPTION	DATE	OWN	APVD
	-	SEE SHEET 1	-	-	-

Technical drawing of a TJH1000 Brake Resistor. The drawing shows a side view of the resistor with various dimensions and specifications. Key dimensions include: overall length 350.2 [13.787] mm, lead length 4.25 [16.732] mm, lead diameter 10.20 [0.402] mm, and lead spacing 165.20 [6.509] mm. The drawing also shows a cross-section of the resistor with dimensions for the lead diameter (6.20 [2.44] mm), lead thickness (5.80 [2.29] mm), and lead width (60.20 [2.372] mm). The drawing includes a note: "TJH1000 FROM RAW EXTRUSION FROM TE PART NUMBER 0-1676489-1".

Labels in the drawing include: "16-14 AWG (SIRANDED) A/R", "C-34123 (2 OFF) AMP TERMINAL RING", and "TYP." for typical dimensions.

SPECIFICATION TABLE

TE PART No. : 0-1630955-2

POWER RATING	600W
POWER RATING 600W FOR A MAXIMUM CASE SURFACE TEMP RISE OF 150 C	
RESISTANCE	10 Ohms
STANDARD TOLERANCE	+/- 10 %
INSULATION VOLTAGE ACrms	2.5KV
INSULATION RESISTANCE GOhm	>90
SERIES INDUCTANCE uH	6.5
OPERATING TEMPERATURE RANGE	-60 C TO +150 C
HEAT SINK RATING	0.38 C/W

NOTES

- FINISH : EXTRUSION TO BE CLEAN AND DEBURRED  
EXTRUSION TO BE ANODISED NATURAL CLEAR 9um +/- 1um
- INTERNAL FILLER FORTAFIX CEMENT.
- END SEAL : BOTH ENDS TO BE SEALED WITH DOW CORNING 736 SEALANT
- WIRE : 32/0.2mm SILICONE COATED NICKEL COATED COPPER WIRE.

MANUFACTURER - TE

ORDERING PROCEDURE :

QUOTE GOODRICH REFERENCE NUMBER, CURRENT ISSUE OF DRAWING 86603352, CURRENT ISSUE OF DRAWING

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Schedule

TE Part No.	Description	Customer Part No.
0-1630955-2	TJH1000 BRAKE RESISTOR (10 Ohms) 420mm Leads	86603352

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:	TOLERANCES UNLESS OTHERWISE SPECIFIED:
MM	
	0 PLC ± -
	1 PLC ± 0.2
	2 PLC ± -
	3 PLC ± -
	4 PLC ± -
	ANGLES ± -
MATERIAL	FINISH
-	-

DWN	05-09-03	Chris Bolle	Tyco Electronics Corporation Dorcan, Swindon, GB
CHK	05-09-03	Chris Bolle	
APVD	05-09-03	Jonathan Catchpole	NAME
PRODUCT SPEC			TJH1000 BRAKE RESISTOR
APPLICATION SPEC			
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-1630955	-
CUSTOMER DRAWING			SCALE 1:1 SHEET 2 OF 3 REV C1

AMP 1470-19 REV 31MAR2000

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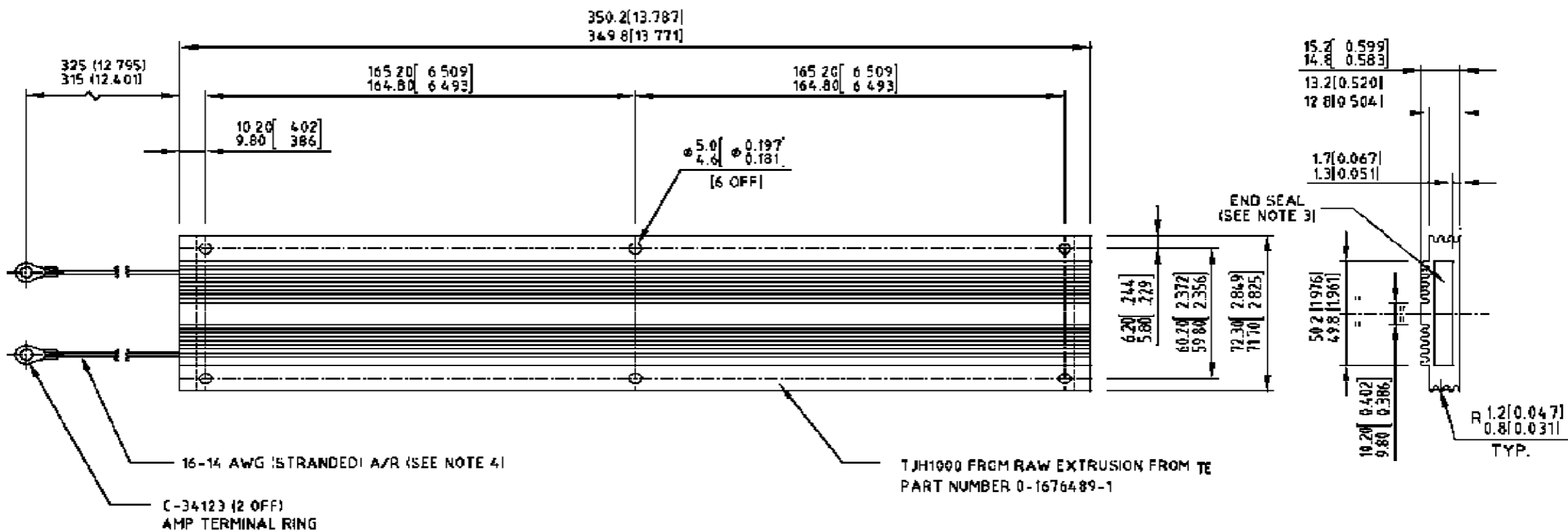
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LOC E DIST B

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



SPECIFICATION TABLE

TE Part No. : 0-1630955-3

POWER RATING	600W
POWER RATING 600W FOR A MAXIMUM CASE SURFACE TEMP. RISE OF 150 C	
RESISTANCE	5 Ohms
STANDARD TOLERANCE	+/- 10 %
INSULATION VOLTAGE AC rms	2.5KV
INSULATION RESISTANCE GOhm	>90
SERIES INDUCTANCE uH	6.5
OPERATING TEMPERATURE RANGE	-60 C TO +150 C
HEAT SINK RATING	0.38 C/W

NOTES

1. FINISH : EXTRUSION TO BE CLEAN AND DEBURRED  
EXTRUSION TO BE ANODISED NATURAL CLEAR 9um +/- 1um
2. INTERNAL FILLER FORTAFIX CEMENT.
3. END SEAL : BOTH ENDS TO BE SEALED WITH DOW CORNING 736 SEALANT
4. WIRE : 32/0 2mm SILICONE COATED NICKEL COATED COPPER WIRE

MANUFACTURER : TE

ORDERING PROCEDURE :

QUOTE GOODRICH REFERENCE NUMBER, CURRENT ISSUE OF DRAWING 86603344, CURRENT ISSUE OF DRAWING

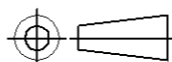
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Schedule

TE Part No.	Description	Customer Part No.
0-1630955-3	TJH1000 BRAKE RESISTOR (5 Ohms) 320mm Leads	86603344

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DIMENSIONS: MM



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	± -
1 PLC	± 0.2
2 PLC	± -
3 PLC	± -
4 PLC	± -
ANGLES	± -
FINISH	-

MATERIAL

DWN 05-09-03

Chris Bolle

CHK 05-09-03

Chris Bolle

APVD 05-09-03

Jonathan Catchpole

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

CUSTOMER DRAWING



Tyco Electronics Corporation  
Dorcan, Swindon, GB

NAME

TJH1000 BRAKE RESISTOR

SIZE

A3

CAGE CODE

00779

DRAWING NO

C-1630955

RESTRICTED TO

-

SCALE 1:1

SHEET 3 OF 3

REV C1