



Penny & Giles
Conductive Plastics Limited
Rotary Products Division

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A member of the
Penny & Giles Blackwood group of companies

CUSTOMER : P&G International
(MAR-EL)

TYPE : RCP18/1S

SPECIFICATION : D20492

REV : 6 DATE : 17/11/88

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ROTARY PRODUCTS DIVISION.

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Directors
R W G Rose OBE (Chairman)
T M S Jones (Managing)
K N Hillman (Manufacturing)

Company Secretary
T S L O'Brien

Registered in England number 2097629
Registered office as above

A Penny & Giles International plc company

I N D E X**Part. 1.**

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SPECIFICATION

D. 20492

DESCRIPTION.	Rotary Conductive Plastic Potentiometer Type RCP18/1S	
RESISTANCE $\pm 10\%$		1000 ohms
ELECTRICAL ANGLE $\pm 1^\circ$		352°
LINEARITY, INDEPENDENT.		$\pm 0.5\%$
TAPPING.	Current tap at $\frac{\text{electrical angle}}{2}$	$\pm 1^\circ$
RESOLUTION		Virtually infinite
POWER DISSIPATION		3 watts at 20°C
INSULATION AT 500 V. D. C.		100 Mohms min
TEMPERATURE RANGE		-55° to $+125^\circ\text{C}$
MECHANICAL ANGLE		360°
STARTING TORQUE		12 gm. cm. max.
SHAFT RUN OUT	inches T. I. R.	0.001
LATERAL RUN OUT	inches T. I. R.	0.002
PILOT RUN OUT	inches T. I. R.	0.001
SHAFT END PLAY.	inches	0.000 to 0.003

Page. 3.

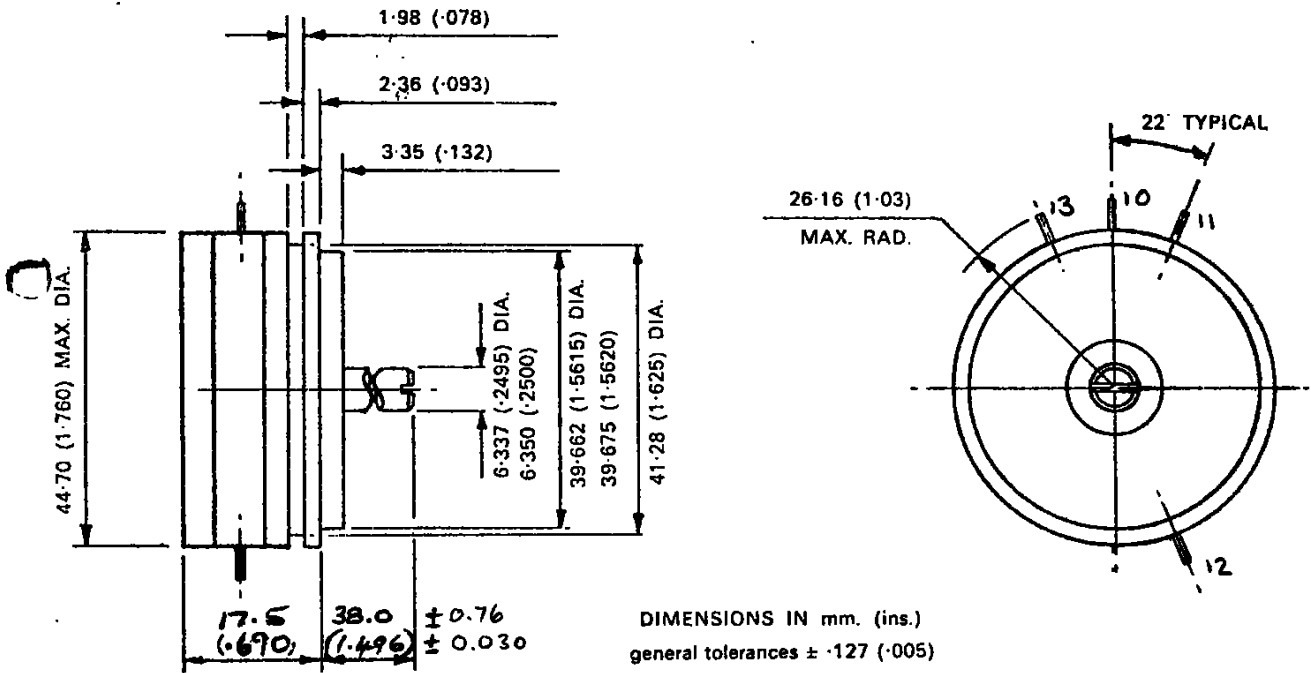
Specification D. 20, 492

Rear of unit to be marked with :-

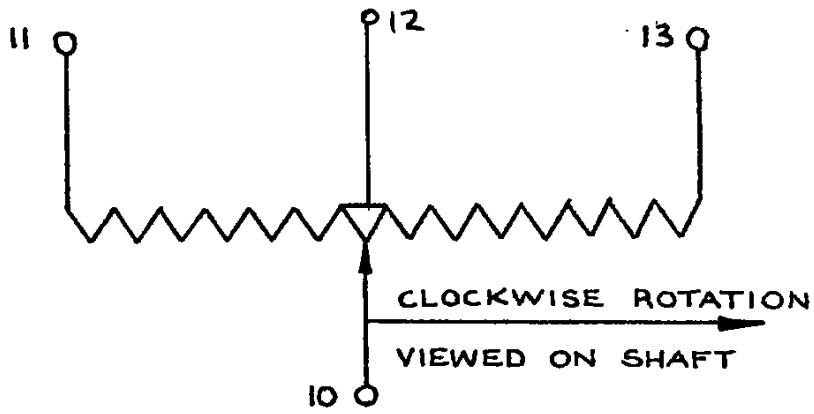
Penny & Giles Ref D20492 iss 6 Var *

Serial No. -----

* SEE ORDER VAR NO.



Note
* See page 6 for current build details



VAR	F.B.H. SHAFT. DESCRIPTION	CONTACT SPRING CARRIER	TRACK STATE.
VAR 1	WAVY WASHER EXTERNAL	SPRING CARRIER	REPIS.
VAR 2.	EXT/INT. SOLID. SHIM.	RIGID ARM	REPIS TRACK ON 18 SUBSTRATE.
VAR 3	"	RIGID ARM. LOCTITED	"
VAR 4	SCREWED FRONT. BEARING HOUSING.	FLEXIBLE.	18 TRACK/ 18 SUBSTRATE.
VAR 5	"	FLEXIBLE WITH TOP HAT SECTION	"
VAR 6	SOLID SHIMMED.	FLEXIBLE TOP HAT SECTION	"
VAR 7			

(D22809)

(D22850)

AD

Test Certificate and Record of RevisionsSPECIFICATION. Prepared by To. Lloyd Date 7.1.77Approved by Jim Kirby Date 7.1.77

REVISION	Changes	Checked	Date
1	New Issue	<u>JK</u>	<u>7.1.77</u>
2	Note; added page 4	<u>JK</u>	<u>10.2.78</u>
3	VAR LIST ADDED Page 6	<u>Morse</u>	<u>20-12-82</u>
4	VAR NO. + RS. NO. added to labelling instruction	<u>Morse</u>	<u>10-4-85</u>
5	page 4. 17.5mm was 16.50 c/n 20294	<u>Morse</u>	<u>1-7-85</u>
6	<u>CH R0706</u>	<u>JK</u>	<u>21/11/88</u>

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