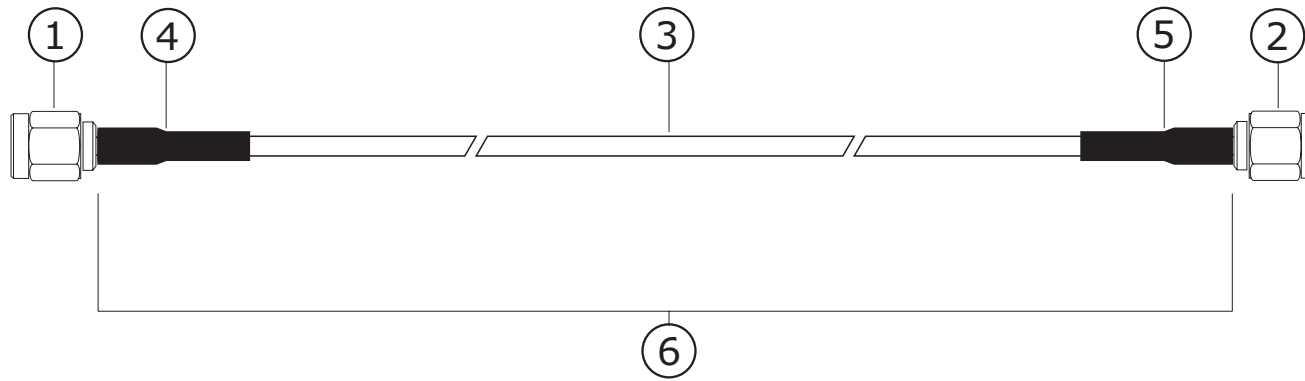


SMA/SMB connectors

Order code	Manufacturer code	Description
16-1580	n/a	0.5M SMA PLUG TO PLUG CABLE ASSEMBLY RC

SMA/SMB connectors	Page 1 of 4
The enclosed information is believed to be correct, Information may change without notice due to product improvement. Users should ensure that the product is suitable for their use. E. & O. E.	Revision A 20/02/2007

CABLE ASSEMBLY DESCRIPTION: SMA Straight Crimp Plug to SMA Straight Crimp Plug - RG 316/U @ 500mm



PRODUCTION APPROVED
S.W.
 21 MAR 02

TOLERANCES
 UNLESS OTHERWISE STATED
+/- 5.0mm

CHECKED
R.H.L.
 15 MAR 02

DIMENSIONS
 UNLESS OTHERWISE STATED
mm

DRAWN ISSUE 1
J.L.L.
 15 MAR 02

SCALE
N.T.S.

NOTES:

1. SMA Crimp Plug - 101.121.044
2. SMA Crimp Plug - 101.121.044
3. RG316/U Coax Cable
4. Black Heat Shrink Sleeve - 20mm Length
5. Black Heat Shrink Sleeve - 20mm Length
6. Length Reference - Back of Connector Body to Back of Connector Body = 500mm
7. N/A

ADDITIONAL CUSTOMER REQUIREMENTS/NOTES:

- A. Individually pack - Self seal 5" x 8"
- B. Mark self seal with customer product code Label (16-1580)- customer to provide label.
- C. Recorded Weight inc of bag = 20g

CUSTOMER APPROVAL.

SIGNED:

DATE:

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 TEL: +44 (0) 1420 479830
 FAX: +44 (0) 1420 479860

DRAWING NUMBER

CAR002-003/00500



得新電子股份有限公司
Dersing Electronics Co., Ltd.

ISO 9001 certificate

APRD:
CHKD:
DR:

UNLESS OTHERWISE SPECIFIED TOLERANCES
0.5-5 ±0.2
5-30 ±0.4
30-120 ±0.6
120-315 ±1

TITLE: SMA series
PART NO:
UNIT:

DATE: 92-03-10

DRAWING NO:
SHEET: 2/2

NOTE : Other Material/Finish is Available on Request.

Material Data:

parts Name	Material	Finish
Body, Metal parts	Brass per QQ-B-626	Nickel or Gold per requirement
Center Contacts	Plug: Brass per QQ-B-626 Jack: Beryllium copper per QQ-C-530 or phosphor bronze per QQ-B-750	Gold
Insulators	Teflon	None
Crimp Ferrules	Annealed copper	Nickel or Gold per requirement
Clamp Gaskets	Silicone rubber	None

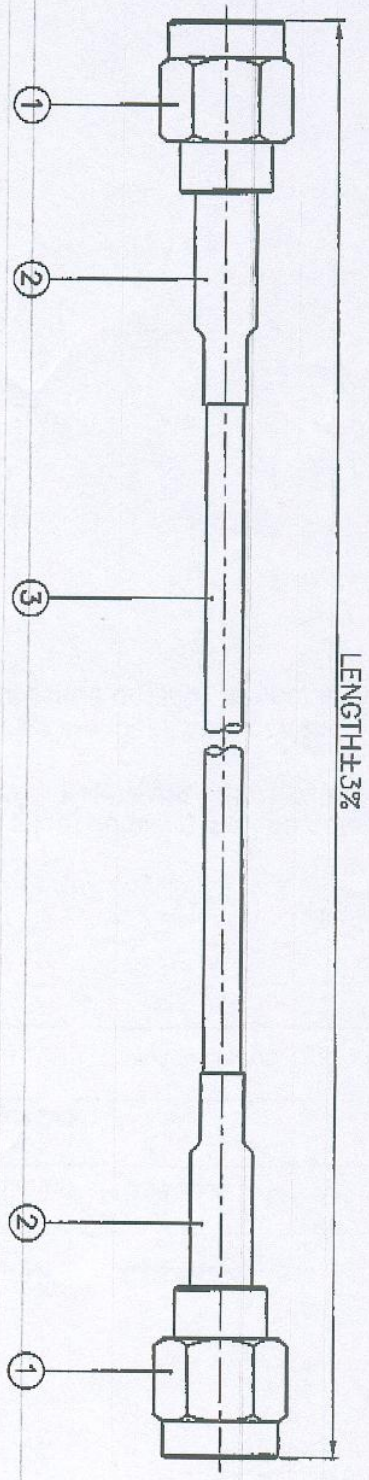
Mechanical & Environmental Data:

Engagement Force	2 in-lbs. max.
Disengagement Force	2 in-lbs. max.
Coupling Nut Retention	60 lbs. min.
Coupling Proof Torque	15 in-lbs. min.
Contact Retention	6 lbs. min.
Durability(Mating)	500 cycles min.(for Beryllium copper jack contact only)
Temperature Range	-65°C to 165°C
Vibration	MIL-STD-202 Method 204 Test Cond.B.
Salt Spray	MIL-STD-202 Method 101 Test Cond.B.
Thermal Shock	MIL-STD-202 Method 107 Test Cond.B.

Electrical Data:	
Impedance	50 ohm
Frequency Range	0-12.4 GHz
Working Voltage	RG-178:170 VRMS max. RG-316:250 VRMS max.
Dielectric Withstanding Voltage	RG-178:500 VRMS min. RG-316:750 VRMS min.
VSWR	Straight 1.3 max. Right Angle 1.5 max.
Contact Resistance	Center Contact 6 Milliohms Max. Outer Contact 2 Milliohms Max.
Insulator Resistance	5000 Megohms min.

REV. NO.	DESCRIPTION	DATE
1		

16-1580



LENGTH ±3%

得新電子股份有限公司
 Dersing Electronics Co., Ltd.

FILE: CABLE ASSEMBLY
 (RG316/U)

ART NO: .

DRAWING NO: 91245

ISO 9001 certificate

APRD: Johnson

CHKD: 力英豪

DR: 力英豪

DATE: 01/09/08

SHEET: .

UNLESS OTHERWISE SPECIFIED TOLERANCES

0.5-6 = ±0.2
 >6-30 = ±0.4
 >30-120 = ±0.6
 >120-515 = ±1.0
 >515-1000 = ±1.6
 ANGLES = ±5°

UNIT: mm

SCALE: 2/1

NO.	DESCRIPTION	MATERIAL	FINISH	
1	HEAT SHRINK TUBING 4*1.5	BRASS	GOLD	KA/2005/50915
2	SMA MALE CONTACT PIN INSULATOR BODY	TEFLON	WHITE	KA/2005/50918
3	RG316/U	BRASS	GOLD	KA/2005/30993

139121

SSS REPORT NO