



CONNECTORS (RSC) RANGE

ADVANTAGES

- High performance ceramic ferrule connectors
- Rugged construction incorporating environmental sealing
- Manufactured in Arcap for corrosion resistance
- Anti-vibration coupling mechanism
- Singlemode and multimode capability
- Fibre faces easily accessible for cleaning
- Simplified connector termination
- 6 Keyway orientation options
- Full range of ancillary components and tooling

(RSC) RUGGEDISED SINGLEWAY CONNECTOR

GENERAL SPECIFICATION

Optical

Attenuation:	Typ 0.25dB (50/125µm fibre)
Repeatability:	Better than 0.2dB
Fibre types:	8, 50, 62.5, 85/125µm 100/140µm 200/230µm 200/280µm 200/300µm

Cable Types

Tight jacket kevlar reinforced
secondary buffered fibre

Materials

Shell:	Arcap
Ferrule:	Zirconia
Alignment sleeve:	Zirconia
Seals:	Fluorosilicone

Mechanical

Temperature range: -65°C to +155°C*

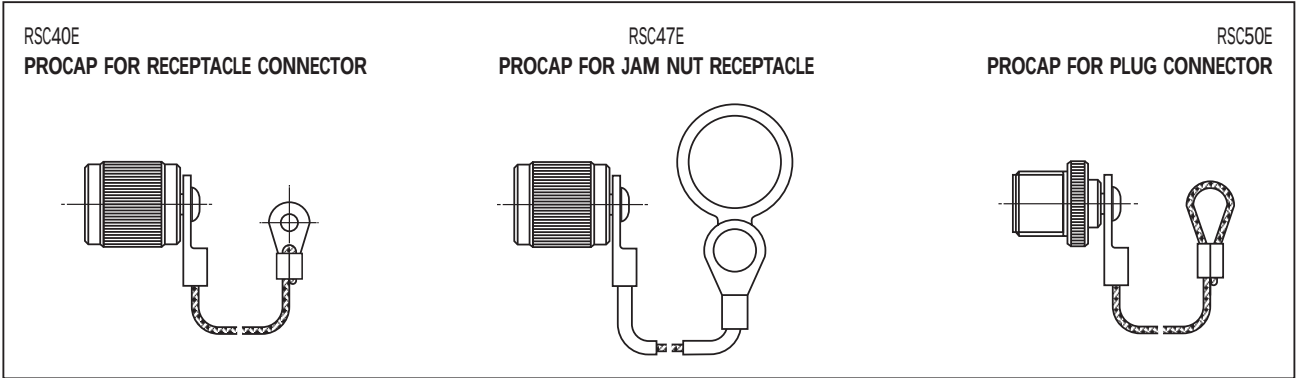
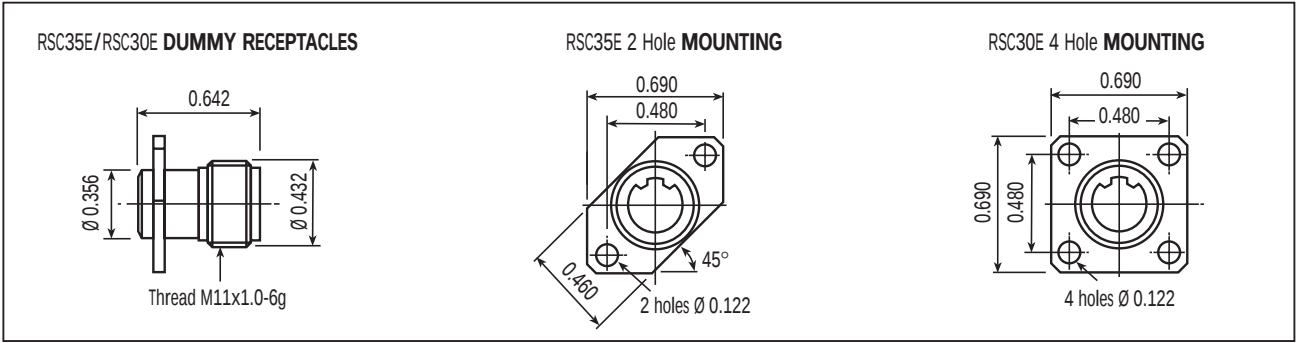
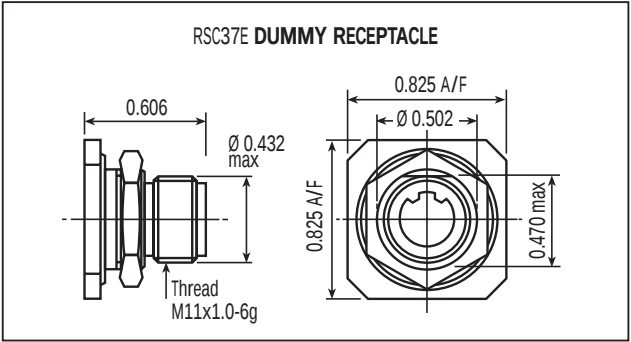
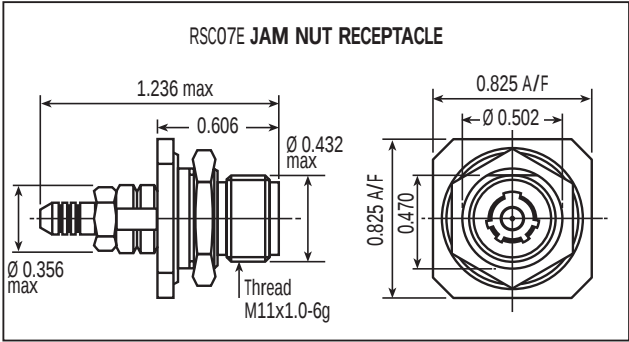
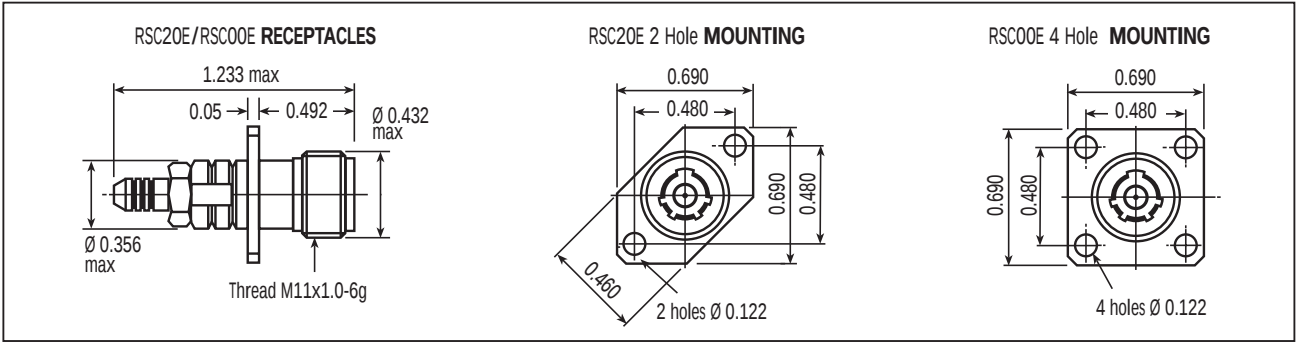
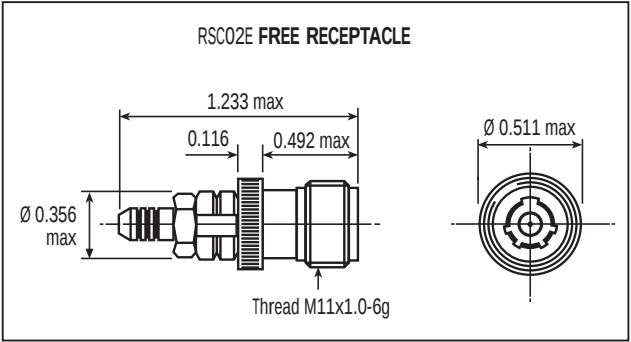
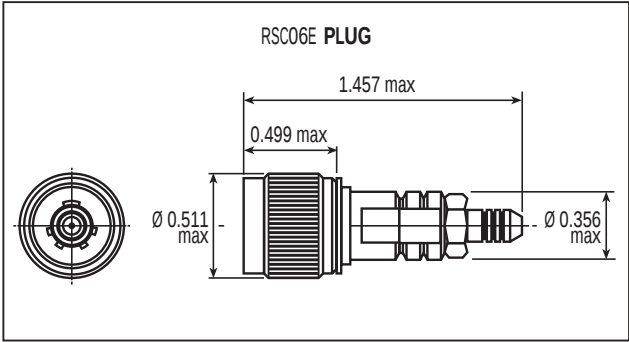
*Cable and epoxy dependant

Mechanical endurance: not less than 500 matings

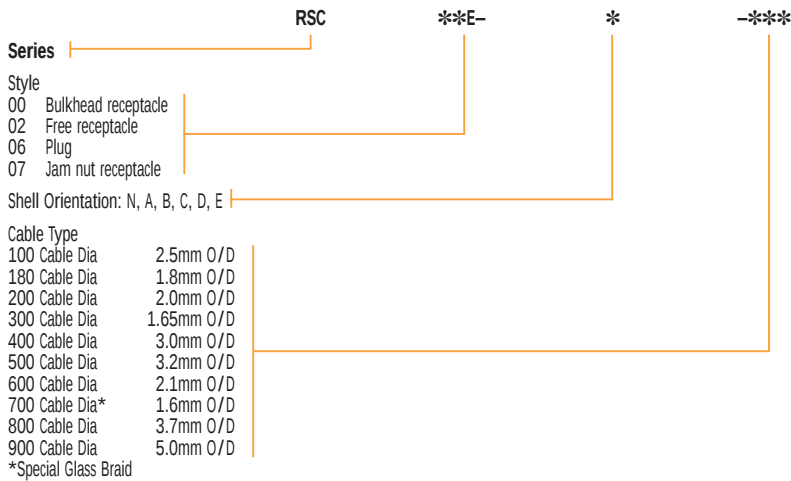
DIMENSIONAL SPECIFICATIONS

All dimensions in inches (except threads).

To complete part number for ordering see “How to order”



HOW TO ORDER



For other cable types consult Technical Sales

Example Part Number: RSC06E–N–100

RSC plug 'N' orientation 2.5mm cable

RSC Essential Tooling

Part No.	Description and Use	Notes
	Dummy Receptacles and Procaps	
RSC30E	4 hole fixing dummy receptacle	
RSC35E	2 hole fixing dummy receptacle	
RSC37E	Jam nut fixing dummy receptacle	
RSC40E	Procap for 2 and 4 hole receptacle	
RSC47E	Procap for jam nut receptacle	
RSC50E	Procap Plug connector	
	Termination Tools and Consumables	
454486	Polishing jig	
454487	Rubber Pads	2 required
454539	Lapping film set comprises:-	
454481	Coarse disk (10 off)	available separately
454482	DR diamond disc	available separately
454483	DM diamond disc	available separately
454484	Polishing disc (10 off)	
454335	Fibre stripping tool	Hozan
451724	Spanners	2 required
453228	Fibre cleaving tool	
454342	Crimp tool – Primary crimp	
454779	Crimp tool – Secondary crimp	
	Additional Optional Tooling	
454964	Priorspec Microscope (x220 Mag)	
454775	Priorspec RSC adaptor	
453936	Heater block	
	Consumable Materials	
454257-2	Epoxy Kit Type 353ND (2 gram sachet)	Temperature curing
454297	Syringe and Needle Kit	6 off each kit
454299	Scalpel Kit	
	Ferrules	
456099SM-126	Singlemode fibre size 8/125µm	must be ordered separately
456099-126	Multimode fibre size 50, 62.5/125µm	must be ordered separately
456099-145	Multimode fibre size 100/140µm	must be ordered separately
456099-176	Multimode fibre size 100/172µm	must be ordered separately
456099-224	Multimode fibre size 200/220µm	must be ordered separately
456099-232	Multimode fibre size 200/230µm	must be ordered separately
454103-283	Multimode fibre size 200/280µm Flat faced	must be ordered separately
453800-305	Multimode fibre size 200/300µm	must be ordered separately

Note: *Additional tooling may be required specific to cable types (consult technical sales)

*For comprehensive tooling and consumable listing refer to technical sales

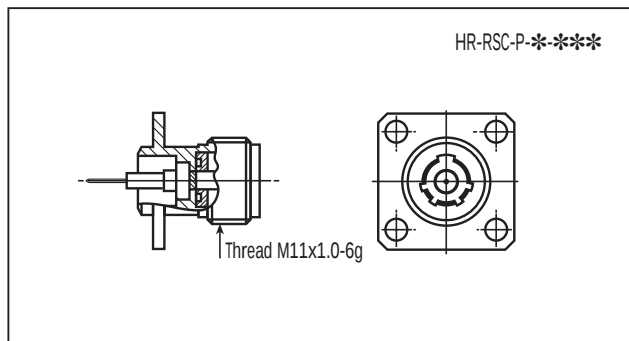
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CONNECTORS (HR-RSC) RANGE

(HR-RSC) HERMETIC RECEPTACLE

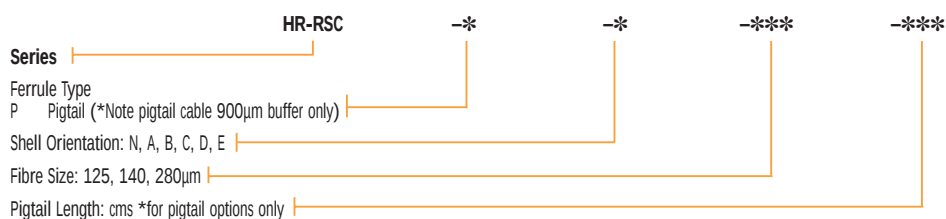
ADVANTAGES

- Compatible with the RSC plug connector
- Leak rate $<1 \times 10^{-6}$ cc/s
- 125°C temperature rating



Dimensions as for RSC receptacle unless otherwise requested

HOW TO ORDER



Note: *For comprehensive tooling and consumable listing refer to technical sales

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A step ahead in technology

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[TE Connectivity:](#)

[RSC00E-A-200](#) [RSC00E-B-200](#) [RSC00E-N-200](#) [RSC06E-N-200](#)