

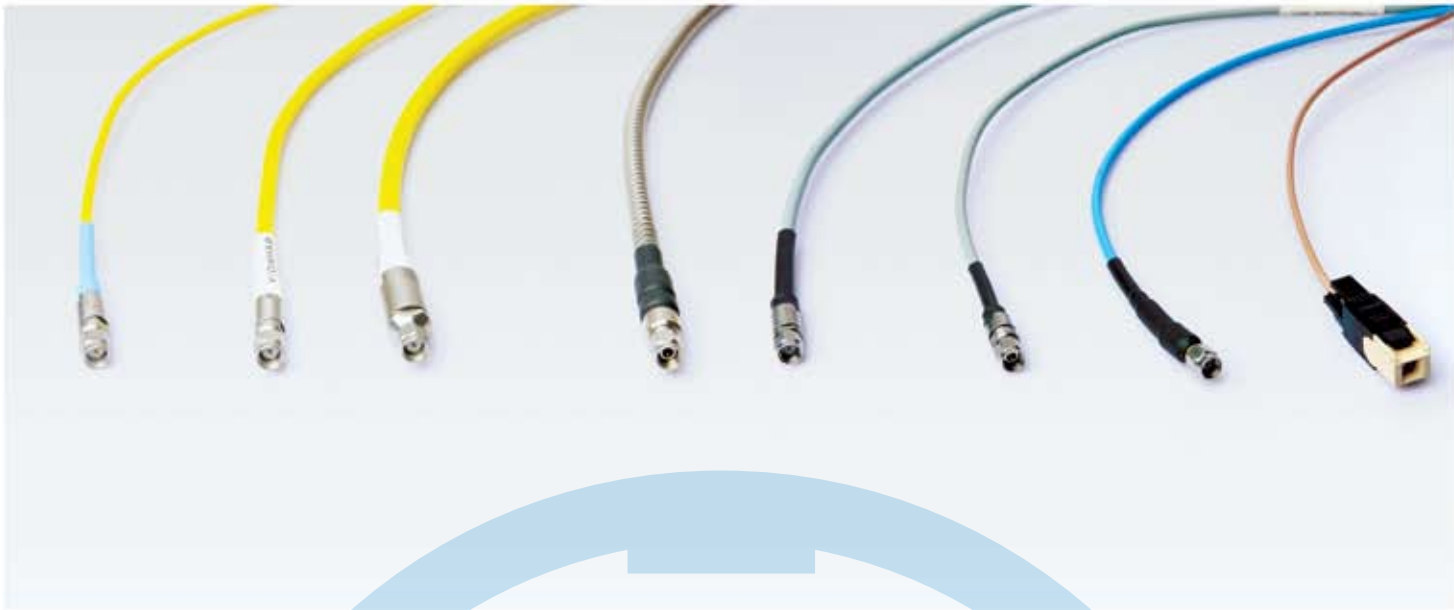
RF/MICROWAVE COAXIAL CONNECTOR



Rev No. 1



연합정밀주식회사
YEONHAB PRECISION CO., LTD.



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RF/MICROWAVE COAXIAL CONNECTOR

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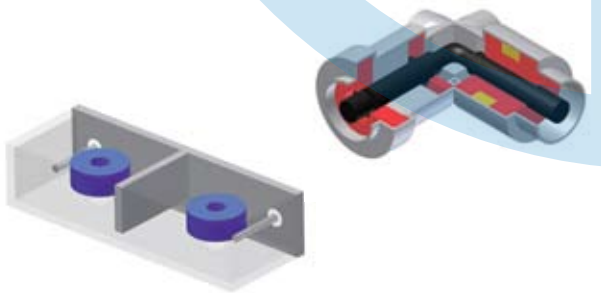
RF/MICROWAVE COAXIAL CONNECTOR

개요 (SUMMARY)

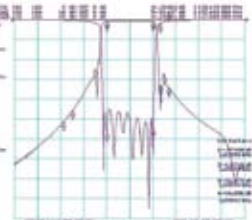


연합정밀(주)는 창립 이래 한국방위산업의 일익을 담당해 왔으며, 통신분야에서의 특화된 기술로 핵심장비 및 부품을 개발, 생산하여 국내는 물론 해외에서도 그 품질을 인정 받고 있습니다.
연합정밀은 끊임없는 연구개발과 기술축척을 통해 최고의 제품과 서비스를 고객에게 제공하기 위해 노력하고 있습니다.

연구개발 (RESEARCH & DEVELOPMENT)



연합정밀의 개발 엔지니어들은 1980년부터 군 통신 관련 기초 부품 및 고성능의 장비 제조를 위하여 연구를 계속하여 왔습니다.
그 동안, RF Passive 제품 제조의 기초 데이터확보를 목표로 수많은 EM Simulation과 이를 기초로 한 단위부품의 정밀튜닝을 위한 데이터 베이스를 완성 하였습니다.
군 위성 통신 및 유도무기의 추적시스템과 같이 높은 주파수 대역을 사용하는 Microwave 장비들은 그 기초 부품의 성능이 전체장비의 성능과 안정성, 수명에 결정적인 영향을 끼칩니다.



연합정밀에서는 보다 안정적이고 높은 수준의 특성과 오랜 시간 사용하여도 성능의 저하가 없는 고품질의 RF Passive 제품 제조를 위하여 노력하고 있습니다.
연구개발 및 초 정밀 부품가공, 특수 표면처리, 첨단 조립장비의 개발을 연합정밀의 경험 많은 각 분야 전문가들이 완성하여, 군 통신 및 레이더 관련 부품 중 Ka Band(26.5 ~ 40 GHz), K Band(18 ~ 26.5 GHz), Ku Band(12 ~ 18 GHz), X Band(8 ~ 12 GHz)용 RF 기초부품(Connector, Waveguide, Cable, Cable Assembly)을 비롯하여 Component 및 관련 Sub Unit의 개발 및 제조를 하고 있습니다.

품질검증 (QUALITY VERIFICATION)



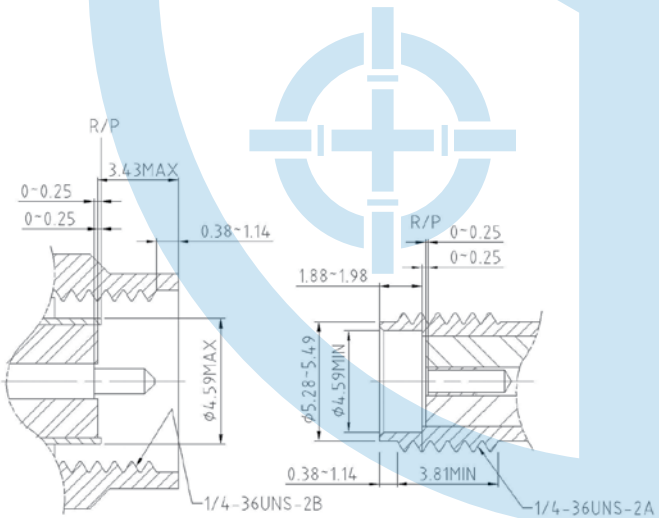
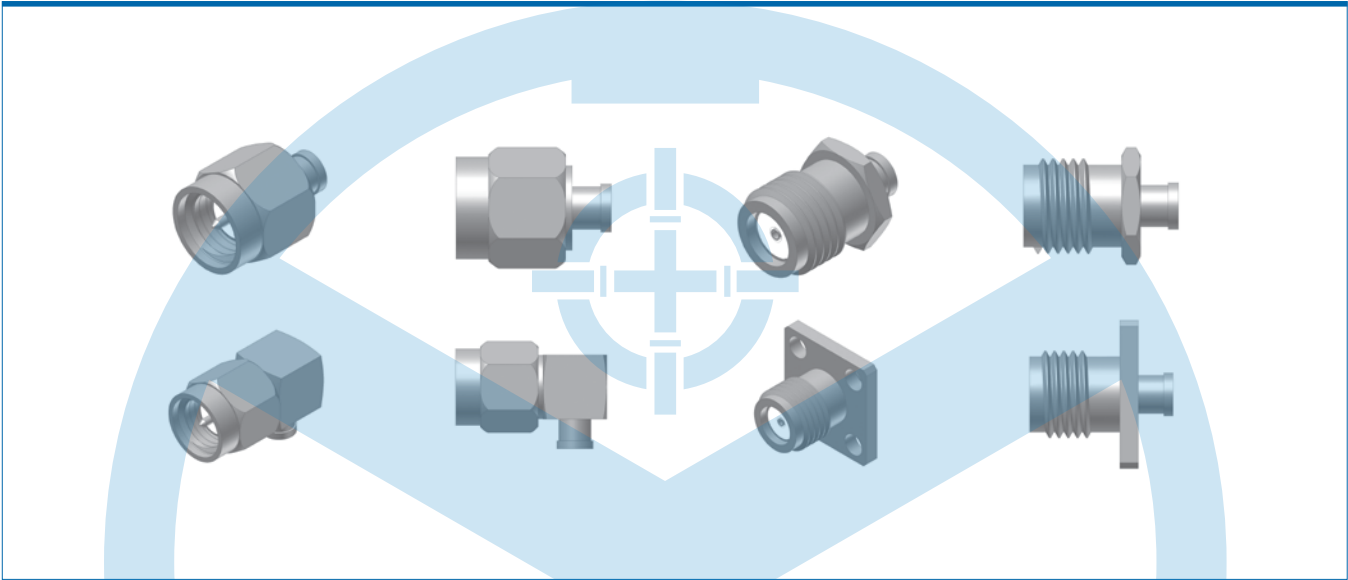
40 GHz 까지 측정할 수 있는 Vector Network Analyzer와 Time Domain Recorder는 고객이 요구하는 부품특성을 완벽하게 검증 할 수 있으며 기초데이터 확보용 연구개발 장비는 최고의 품질을 요구하는 고객의 주문을 신속하게 대응 할 수 있게 합니다.



방산용 부품의 국산화 신뢰성을 검증하기 위해 전기적, 기계적, 환경적시험이 MIL, NES, IEC, VG, Defense, BS, ISO, NEMA, UL, ASTM, SAE 등의 국제규격에 따라 시행 시행할 수 있는 모든 검사 장비를 보유하고 있습니다.
또한 연합정밀에서는 고품질이 요구되는 수입 의존품들을 독보적인 기술로 설계, 제조하여 최고의 품질로 고객을 만족시키고 있습니다.



X Band 이상의 초고주파용 RF Passive 부품의 특성은 정밀 가공 기술에 의하여 결정됩니다.
연합정밀에서는 최신의 6축 CNC 선반으로 복잡한 부품의 고정밀 가공을 전자동으로 하고 있으며, 숙련된 가공 엔지니어와 경험 많은 기구개발 엔지니어들이 자체 개발한 특수 공정용 설비들로 고객이 요구하는 최고 품질의 제품을 생산하고 있습니다.



ELECTRICAL SPECIFICATION	
FREQUENCY RANGE	DC~26.5GHz
VSWR (f=GHz)	1.07+0.008(f)
INSERTION LOSS	0.07X√f(GHz)dB
RF-LEAKAGE (2~3GHz)	≥ 100dB
INSULATION RESISTANCE	≥ 5x10 ⁹ MΩ
CONTACT RESISTANCE (CENTER CONTACT)	≤ 3.0mΩ
CONTACT RESISTANCE (OUTER CONTACT)	≤ 2.0mΩ

CABLE PLUG

Fig.1 Solder Attachment

Fig.2 Crimping Attachment

Fig.3 Clamping Attachment

RIGHT ANGLE CABLE PLUG

Fig.4 Solder Attachment

Fig.5 Solder Attachment

Fig.6 Crimping Attachment

Fig.7 Clamping Attachment

FIG.	ORDER NUMBER	CABLE 번호 (***)	CABLE 종류
FIG.1	S11 - *** - SD	178	RG178, RG196
FIG.2	S11 - *** - CR	316	RG174, RG188, RG316
FIG.3	S11 - *** - CL	058	RG58, RG141, RG303
FIG.4	S13 - *** - SD	400	RG142, RG223, RG400
FIG.5	S16 - *** - SD	085	.085"
FIG.6	S13 - *** - CR	141	.141"
FIG.7	S13 - *** - CL	250	.250"

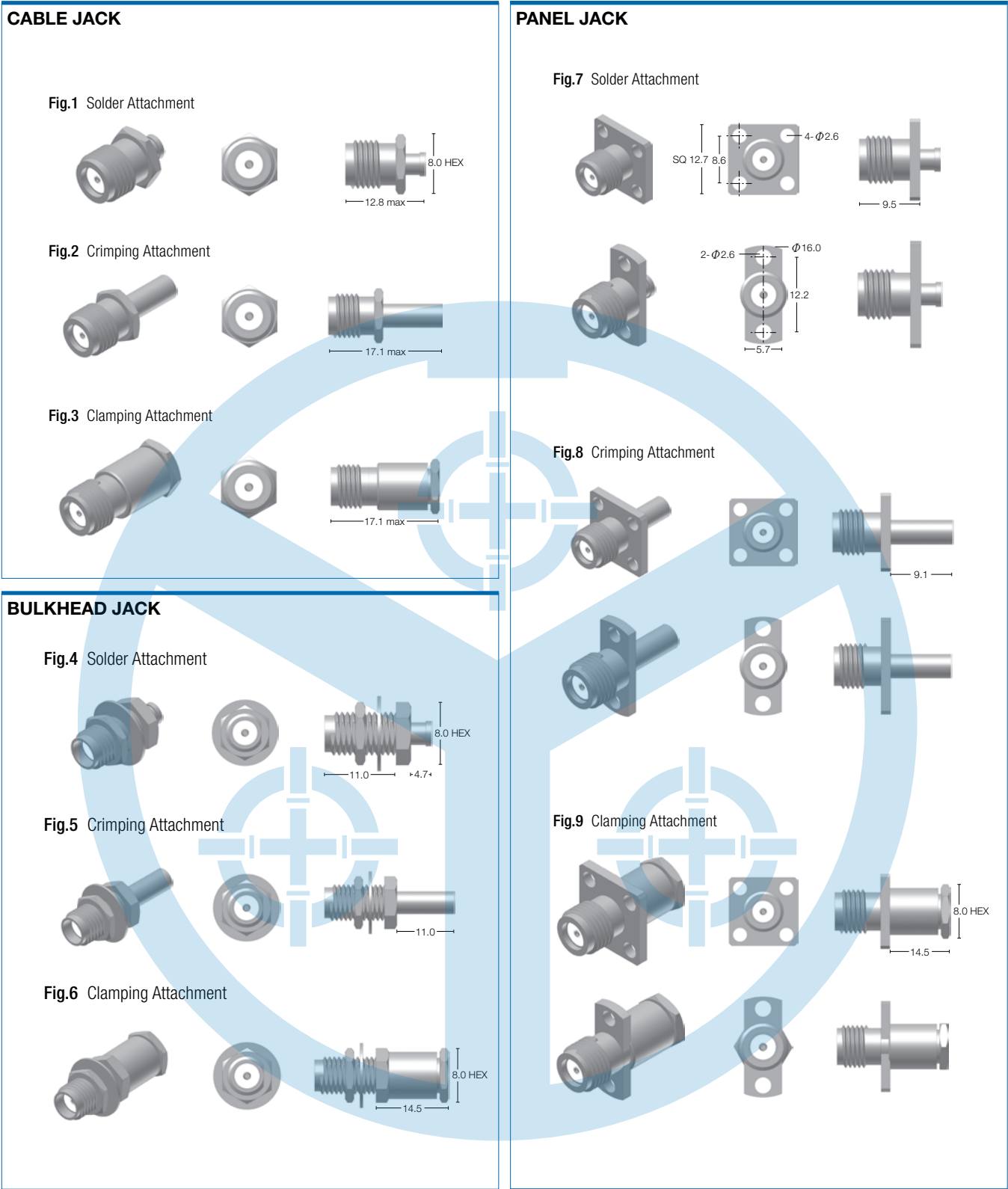
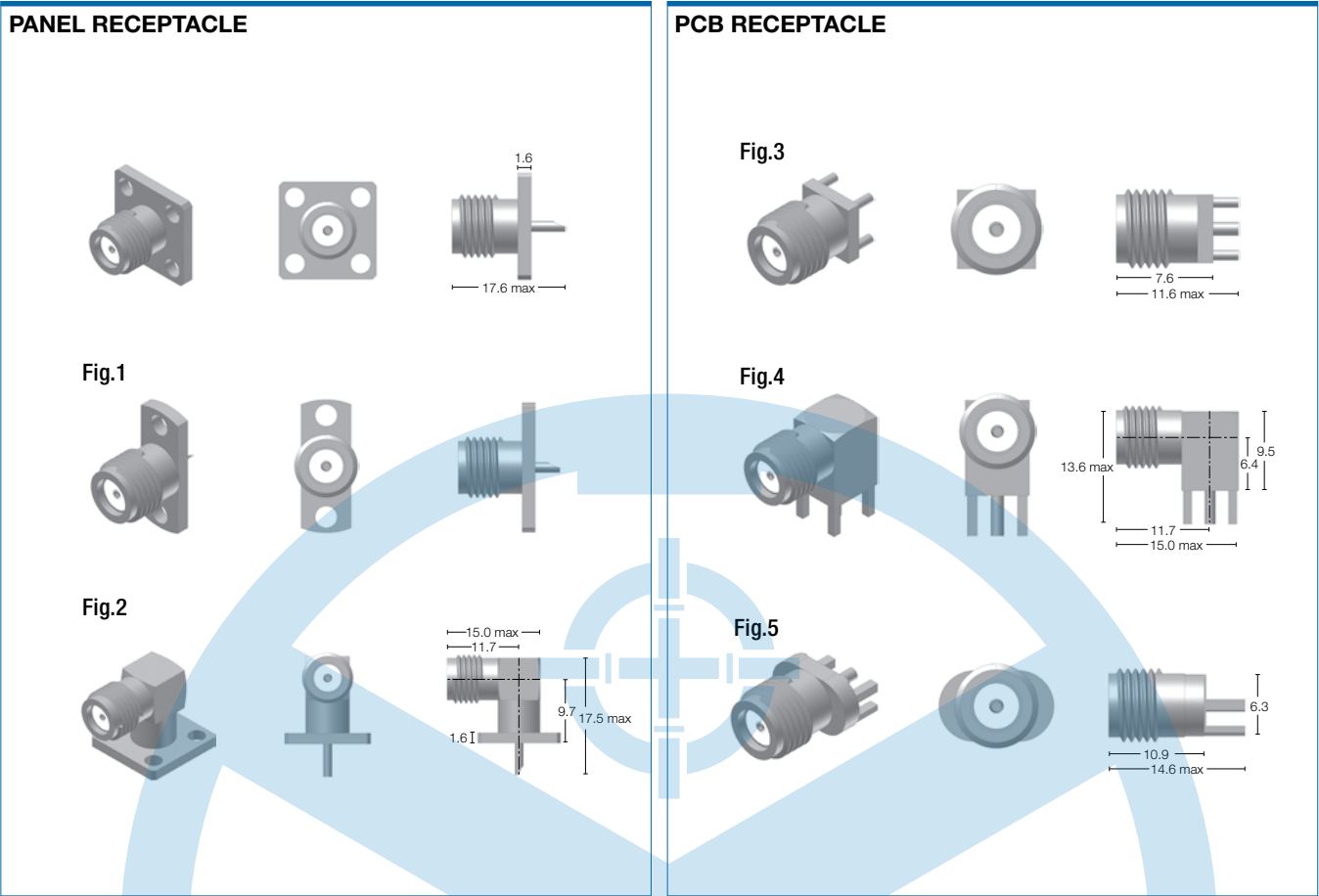


FIG.	ORDER NUMBER	Δ <FLG, MTG, HOLE>
FIG.1	S12 - *** - SD	
FIG.2	S12 - *** - CR	
FIG.3	S12 - *** - CL	
FIG.4	S32 - *** - SD	
FIG.5	S32 - *** - CR	
FIG.6	S32 - *** - CL	
FIG.7	S22 - *** - SD- Δ	2 (2 Hole)
FIG.8	S22 - *** - CR- Δ	4 (4 Hole)
FIG.9	S22 - *** - CL- Δ	

CABLE 번호 (***)	CABLE 종류
178	RG178, RG196
316	RG174, RG188, RG316
058	RG58, RG141, RG303
400	RG142, RG223, RG400
085	.085"
141	.141"
250	.250"



〈표 1〉 CONTACT TERMINATION			〈표 2〉 TRANSITION CONTACT	
1		6		
2		7		
3		8		
4		9		
5				

FIG.	ORDER NUMBER	Δ <FLG, MTG, HOLE>	XX<CONTACT TERMINATION>	YY<TRANSITION CONTACT>
FIG.1	S25 - Δ - XX - YY - 01	2 (2 Hole)		
FIG.2	S25 - Δ - XX - YY - 02	4 (4 Hole)		
FIG.3	S45 - XX - YY - 01		〈표 1 참조〉	〈표 2 참조〉
FIG.4	S45 - XX - YY - 02			
FIG.5	S25 - XX - YY - 03			

SMA Series

ADAPTOR

Fig.1



Fig.2



Fig.3



BULKHEAD ADAPTOR

Fig.4



T-ADAPTOR

Fig.5

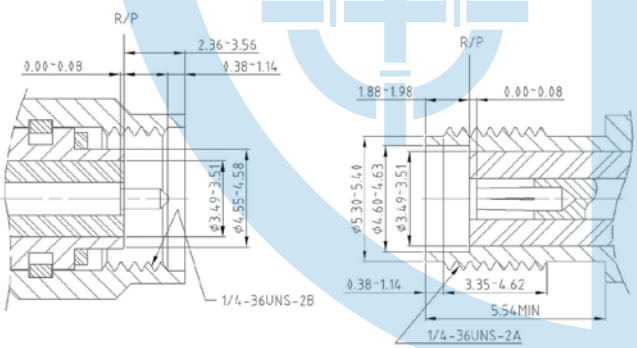
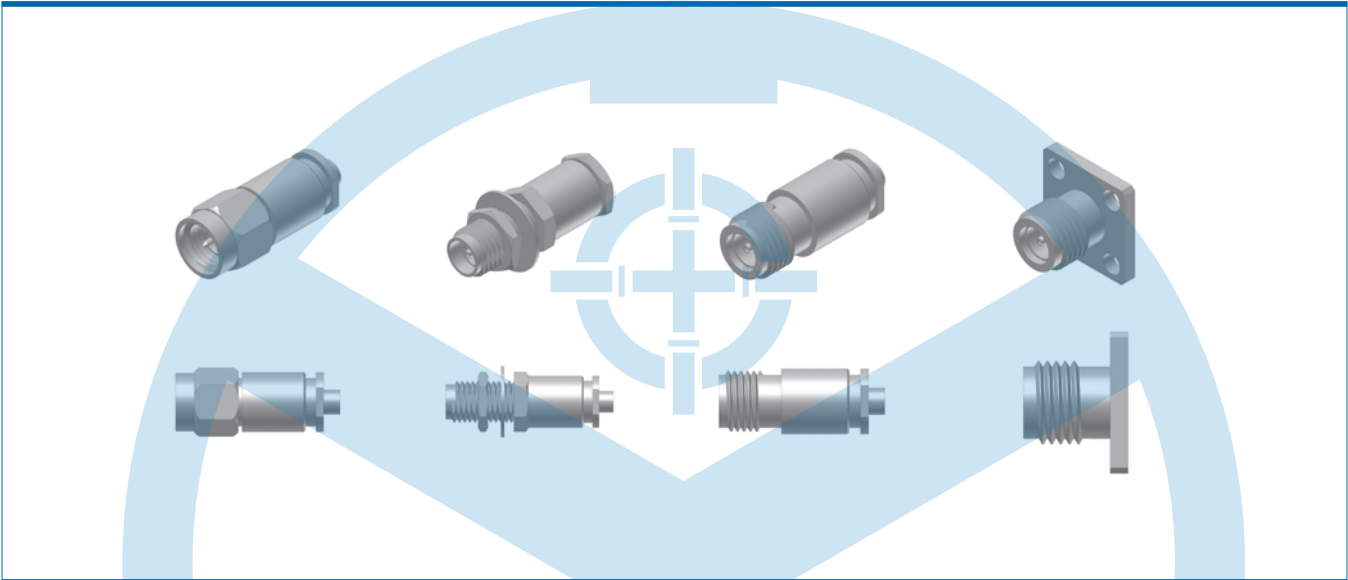


Fig.6



FIG.	ORDER NUMBER
FIG.1	S81101
FIG.2	S81202
FIG.3	S81102
FIG.4	S83202
FIG.5	S81222
FIG.6	S81212

3.5 Series



ELECTRICAL SPECIFICATION	
FREQUENCY RANGE	DC~33GHz
VSWR (f=GHz)	1.04+0.006(f)
INSERTION LOSS	0.07X $\sqrt{f}$ (GHz)dB
RF-LEAKAGE (2~3GHz)	≥ 100dB
INSULATION RESISTANCE	≥ 5x10 ⁹ MΩ
CONTACT RESISTANCE (CENTER CONTACT)	≤ 3.0mΩ
CONTACT RESISTANCE (OUTER CONTACT)	≤ 2.0mΩ

3.5 Series

CABLE PLUG

Fig.1 Solder Attachment

Fig.2 Clamping Attachment

RIGHT ANGLE CABLE PLUG

Fig.3 Solder Attachment

Fig.4 Clamping Attachment

BULKHEAD JACK

Fig.5 Solder Attachment

Fig.6 Clamping Attachment

FIG.	ORDER NUMBER	CABLE 번호 (***)	CABLE 종류
FIG.1	J11 - *** - SD	047	.047"
FIG.2	J11 - *** - CL	085	.085"
FIG.3	J12 - *** - SD	141	.141"
FIG.4	J12 - *** - CL		
FIG.5	J14 - *** - SD		
FIG.6	J14 - *** - CL		

3.5 Series

PANEL RECEPTACLE

Fig.1

〈표 1〉 TRANSITION CONTACT

1	
2	
3	
4	

ADAPTOR

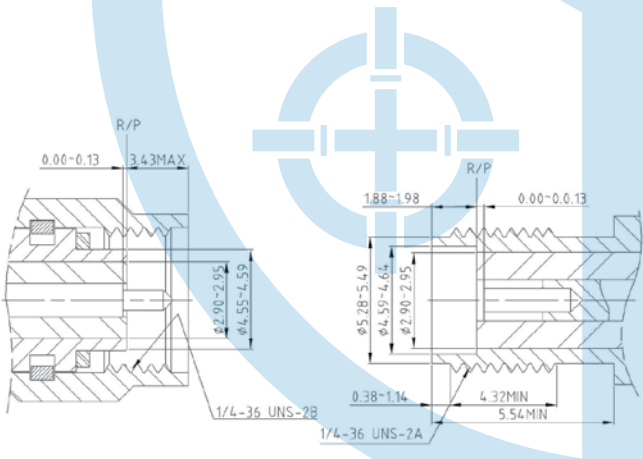
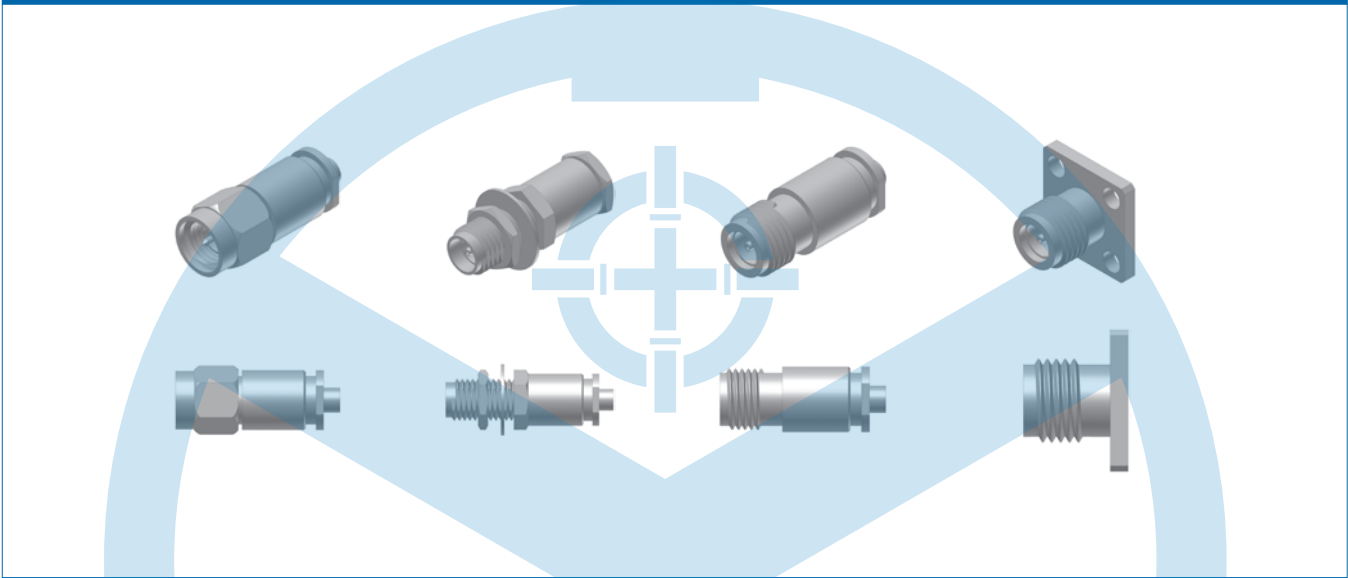
Fig.2

Fig.3

Fig.4

FIG.	ORDER NUMBER	Δ <FLG, MTG, HOLE>	YY<TRANSITION CONTACT>
FIG.1	J25 - Δ -YY	2 (2 Hole) 4 (4 Hole)	〈표 1 참조〉
FIG.2	J81101		
FIG.3	J81202		
FIG.4	J81102		

2.92 Series



ELECTRICAL SPECIFICATION	
FREQUENCY RANGE	DC~40GHz
VSWR (f=GHz)	1.04+0.006(f)
INSERTION LOSS	0.04X√f(GHz)dB
RF-LEAKAGE (2~3GHz)	≥ 100dB
INSULATION RESISTANCE	≥ 5x10 ⁹ MΩ
CONTACT RESISTANCE (CENTER CONTACT)	≤ 3.0mΩ
CONTACT RESISTANCE (OUTER CONTACT)	≤ 2.0mΩ

2.92 Series

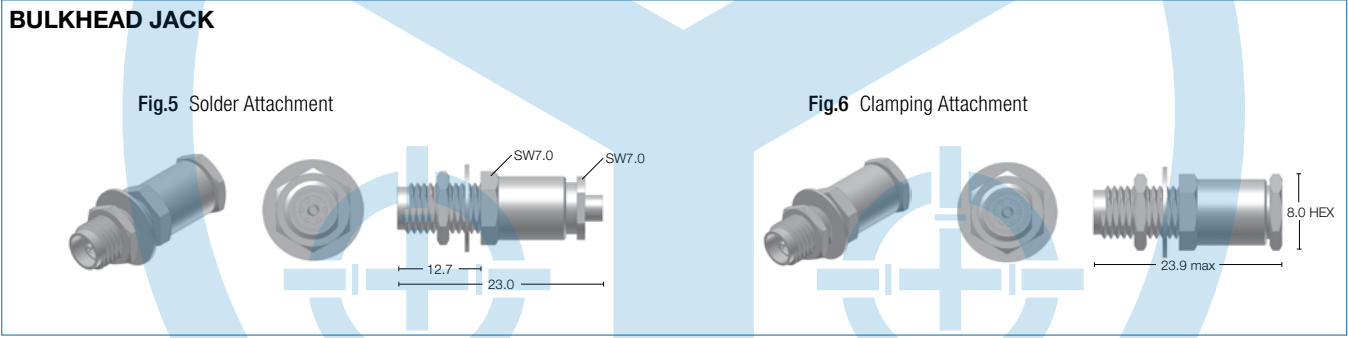
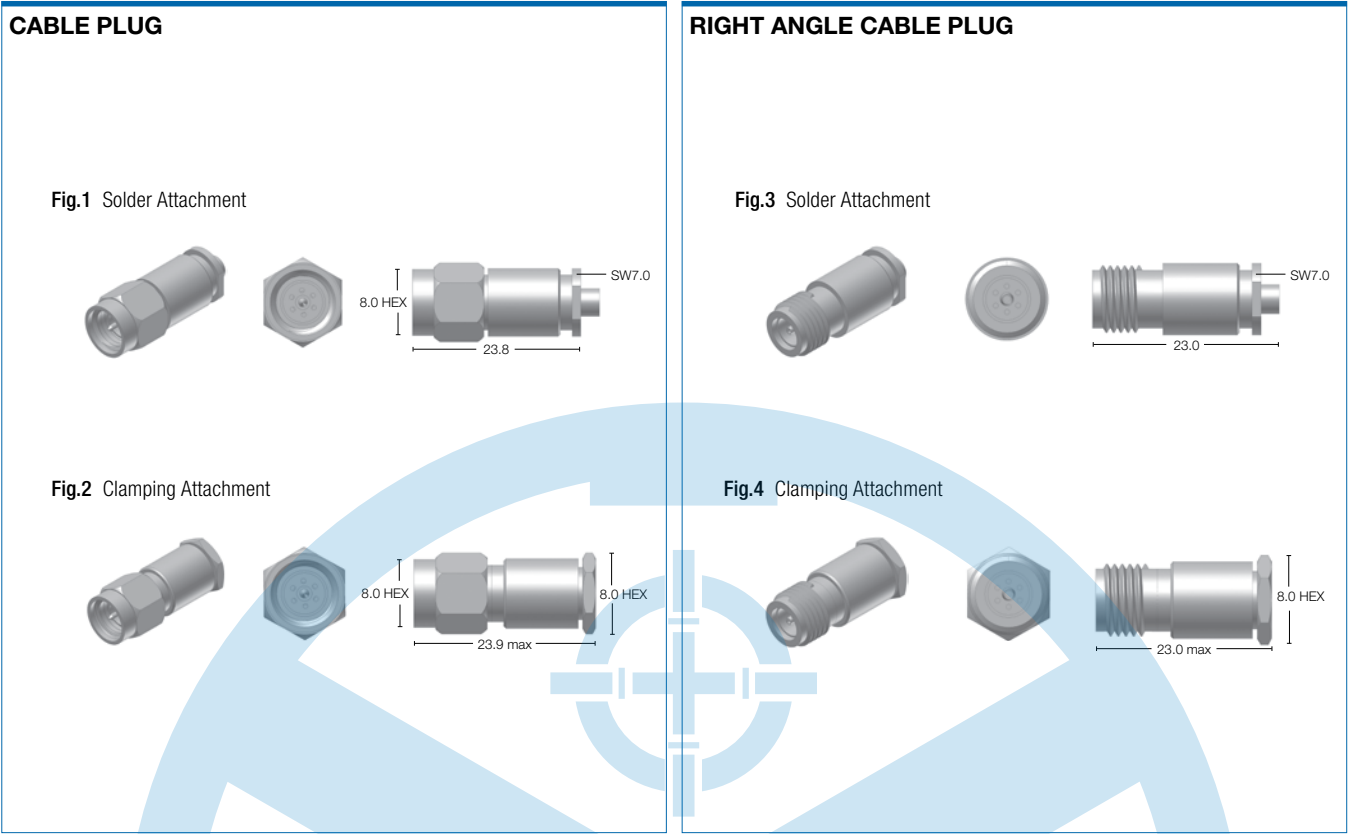


FIG.	ORDER NUMBER	CABLE 번호 (***)	CABLE 종류
FIG.1	K11 - *** - SD	047	.047"
FIG.2	K11 - *** - CL	085	.085"
FIG.3	K12 - *** - SD	141	.141"
FIG.4	K12 - *** - CL		
FIG.5	K14 - *** - SD		
FIG.6	K14 - *** - CL		

2.92 Series

PANEL RECEPTACLE

Fig.1

ADAPTOR

Fig.2

Fig.3

Fig.4

FIG.	ORDER NUMBER	Δ <FLG, MTG, HOLE>	YY<TRANSITION CONTACT>
FIG.1	K25-Δ-YY	2 (2 Hole) 4 (4 Hole)	〈표 1 참조〉
FIG.2	K81101		
FIG.3	K81202		
FIG.4	K81102		

〈표 1〉	TRANSITION CONTACT	
1		
2		
3		
4		

N Series

ELECTRICAL SPECIFICATION	
FREQUENCY RANGE	DC~18GHz
VSWR (f=GHz)	1.05+0.006(f)
INSERTION LOSS	0.07X √(f[GHz])dB
RF-LEAKAGE (2~3GHz)	≥ 90dB
INSULATION RESISTANCE	≥ 5x10 ⁹ MΩ
CONTACT RESISTANCE (CENTER CONTACT)	≤ 1.0mΩ
CONTACT RESISTANCE (OUTER CONTACT)	≤ 1.0mΩ
PIMD	≥ -165dBc

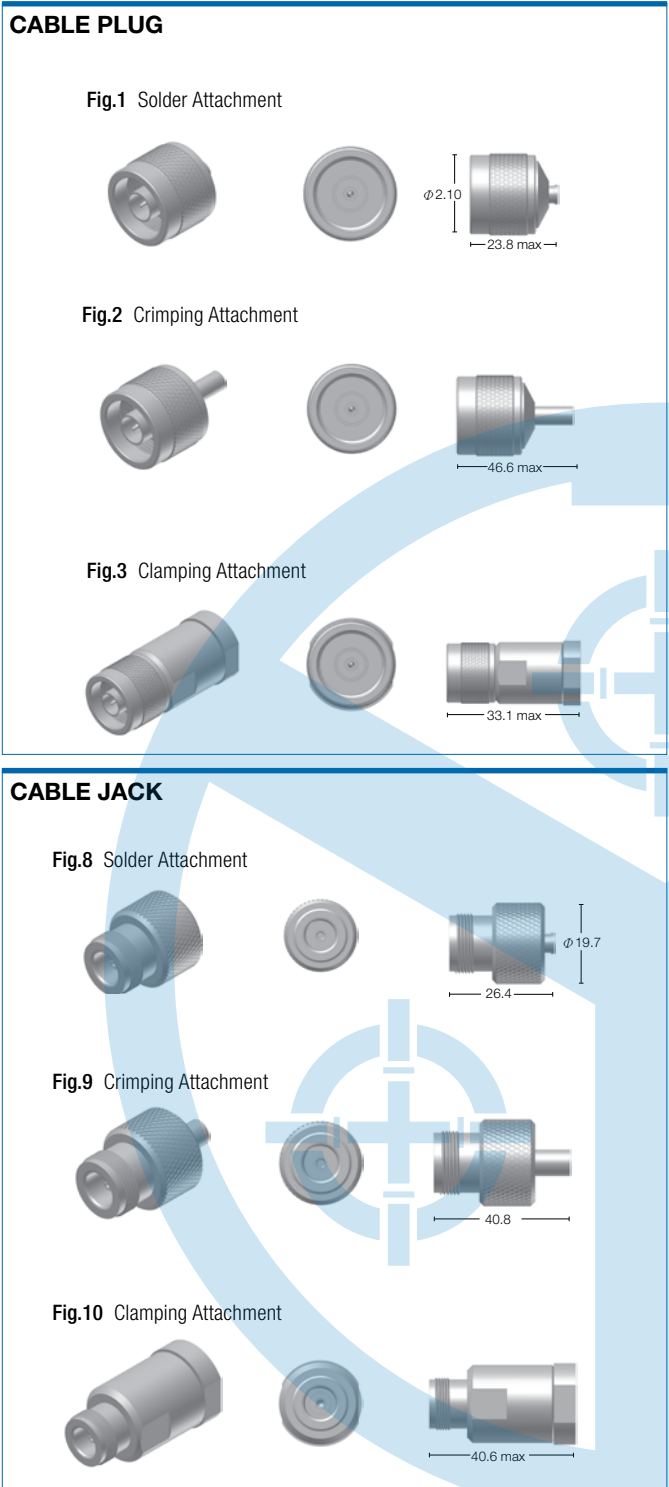
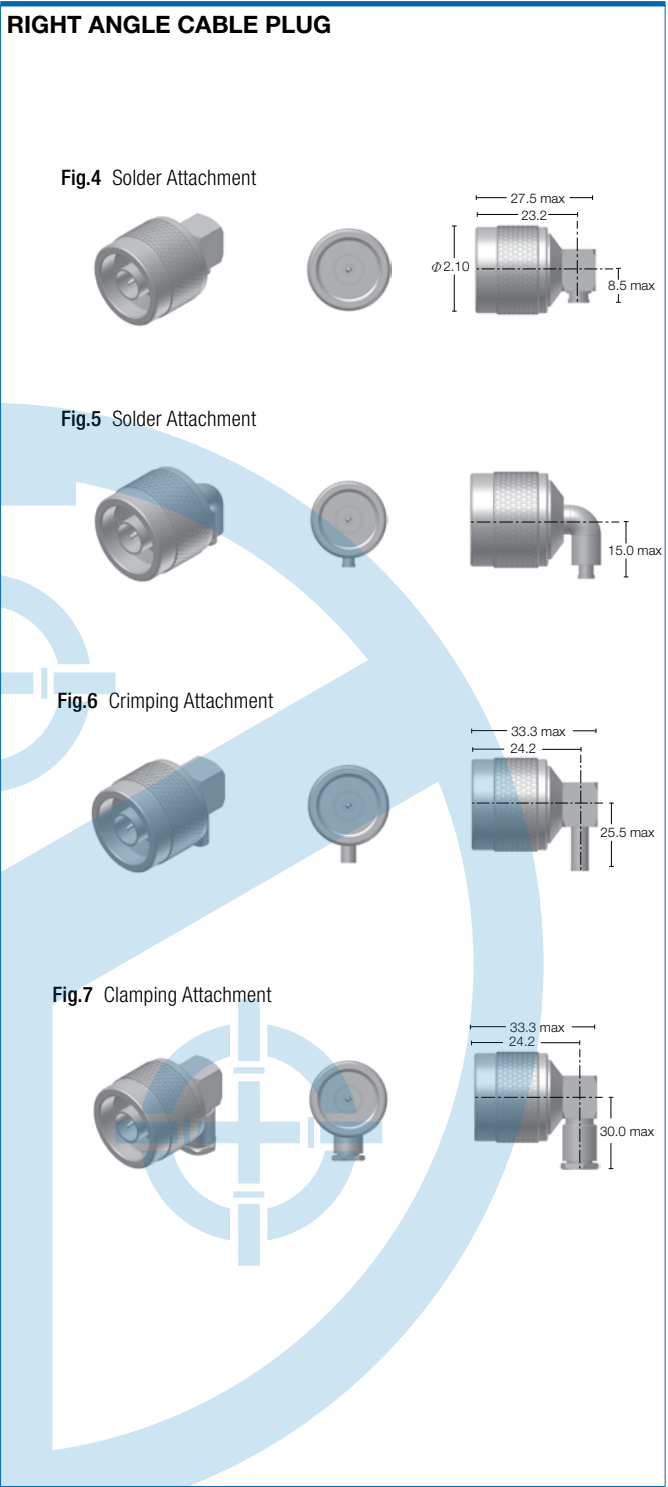


FIG.	ORDER NUMBER	FIG.	ORDER NUMBER
FIG.1	N11 - *** - SD	FIG.6	N13 - *** - CR
FIG.2	N11 - *** - CR	FIG.7	N13 - *** - CL
FIG.3	N11 - *** - CL	FIG.8	N12 - *** - SD
FIG.4	N13 - *** - SD	FIG.9	N12 - *** - CR
FIG.5	N16 - *** - SD	FIG.10	N12 - *** - CL



CABLE 번호 (***)	CABLE 종류
178	RG178, RG196
316	RG174, RG188, RG316
058	RG58, RG141, RG303
400	RG142, RG223, RG400
085	.085"
141	.141"
250	.250"

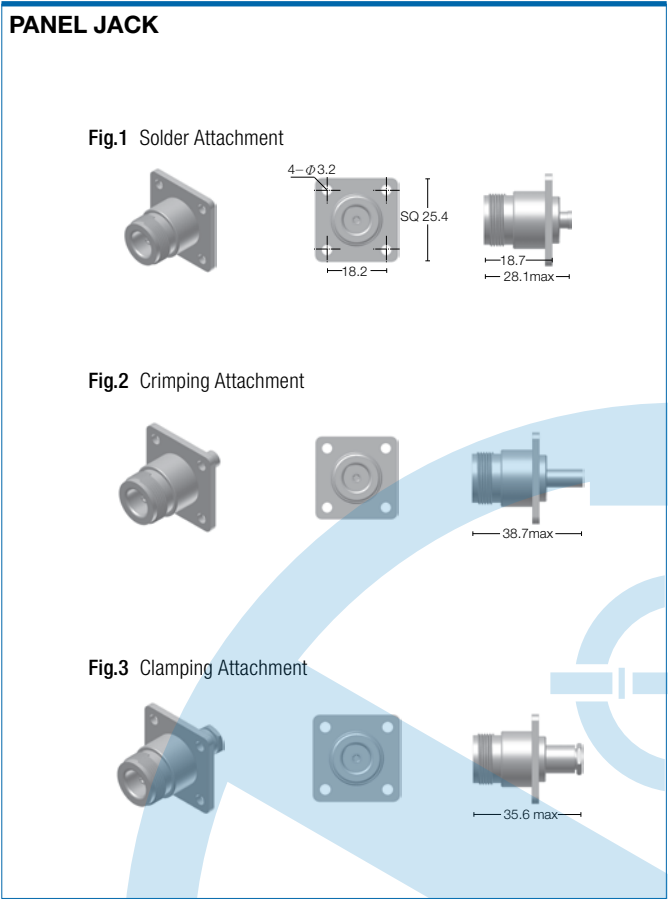
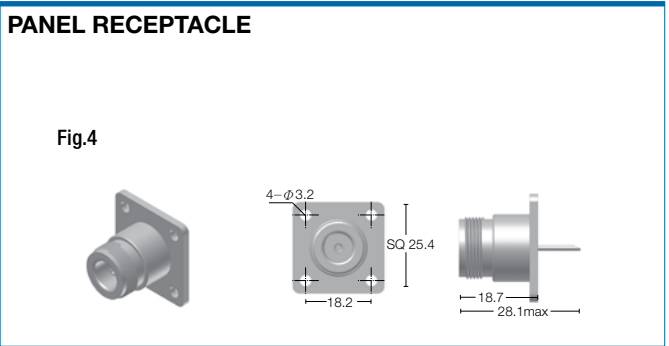


FIG.	ORDER NUMBER	Δ <FLG, MTG, HOLE>	XX<CONTACT TERMINATION>
FIG.1	N22 - *** - SD - Δ		
FIG.2	N22 - *** - CR - Δ		
FIG.3	N22 - *** - CL - Δ	2 (2 Hole) 4 (4 Hole)	
FIG.4	N25 - *** - XX - Δ		<표 1 참조>

CABLE 번호 (***)	CABLE 종류
178	RG178, RG196
316	RG174, RG188, RG316
058	RG58, RG141, RG303
400	RG142, RG223, RG400
085	.085"
141	.141"
250	.250"



<표 1> CONTACT TERMINATION			
1		6	
2		7	
3		8	
4		9	
5			

N Series

BULKHEAD JACK

Fig.1 Solder Attachment



Fig.2 Crimping Attachment



Fig.3 Clamping Attachment



BULKHEAD RECEPTACLE

Fig.4



〈표 1〉 CONTACT TERMINATION

1		6	
2		7	
3		8	
4		9	
5			

ADAPTOR

Fig.5

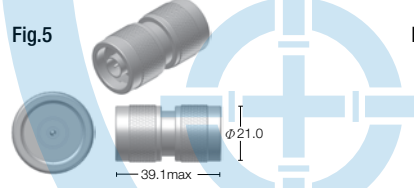


Fig.6

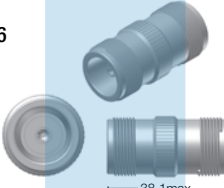


Fig.7

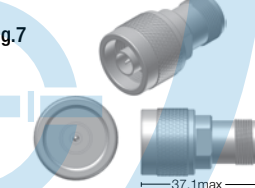
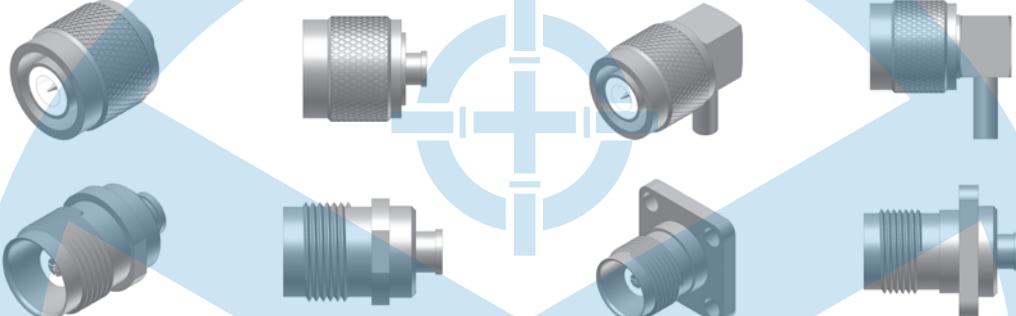


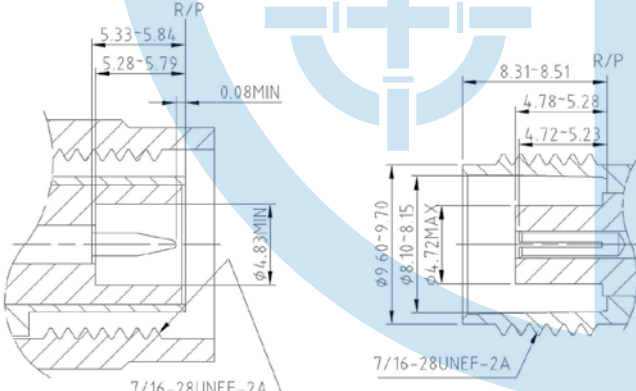
FIG.	ORDER NUMBER	Δ <FLG, MTG, HOLE>	XX<CONTACT TERMINATION>
FIG.1	N14 - *** - SD - Δ		
FIG.2	N14 - *** - CR - Δ		
FIG.3	N14 - *** - CL - Δ		
FIG.4	N35 - *** - Δ -XX		
FIG.5	N81101	2 (2 Hole)	
FIG.6	N81202	4 (4 Hole)	
FIG.7	N81102		〈표 1 참조〉

CABLE 번호 (***)	CABLE 종류
178	RG178, RG196
316	RG174, RG188, RG316
058	RG58, RG141, RG303
400	RG142, RG223, RG400
085	.085"
141	.141"
250	.250"

TNC Series







ELECTRICAL SPECIFICATION

FREQUENCY RANGE	DC~11GHz
VSWR (f=GHz)	1.06+0.01(f)
INSERTION LOSS	0.07X √f(GHz)dB
RF-LEAKAGE (2~3GHz)	≥ 60dB
INSULATION RESISTANCE	≥ 5x10 ⁹ MΩ
CONTACT RESISTANCE (CENTER CONTACT)	≤1.5mΩ
CONTACT RESISTANCE (OUTER CONTACT)	≤1.0mΩ

CABLE PLUG

Fig.1 Solder Attachment

Fig.2 Crimping Attachment

Fig.3 Clamping Attachment

RIGHT ANGLE CABLE PLUG

Fig.4 Solder Attachment

Fig.5 Crimping Attachment

Fig.6 Clamping Attachment

CABLE JACK

Fig.7 Solder Attachment

Fig.8 Crimping Attachment

Fig.9 Clamping Attachment

FIG.	ORDER NUMBER
FIG.1	T11 - *** - SD
FIG.2	T11 - *** - CR
FIG.3	T11 - *** - CL
FIG.4	T13 - *** - SD
FIG.5	T13 - *** - CR
FIG.6	T13 - *** - CL
FIG.7	T12 - *** - SD
FIG.8	T12 - *** - CR
FIG.9	T12 - *** - CL

CABLE 번호(***)	CABLE 종류
178	RG178, RG196
316	RG174, RG188, RG316
058	RG58, RG141, RG303
400	RG142, RG223, RG400
085	.085"
141	.141"
250	.250"

PANEL JACK

Fig.1 Solder Attachment

Fig.2 Crimping Attachment

Fig.3 Clamping Attachment

PANEL RECEPTACLE

Fig.4

〈표 1〉 CONTACT TERMINATION			
1		6	
2		7	
3		8	
4		9	
5			

FIG.	ORDER NUMBER	Δ <FLG, MTG, HOLE>	XX<CONTACT TERMINATION>
FIG.1	T22 - *** - SD - Δ		
FIG.2	T22 - *** - CR - Δ		
FIG.3	T22 - *** - CL - Δ	2 (2 Hole) 4 (4 Hole)	
FIG.4	T25 - *** - XX - Δ		〈표 1 참조〉

CABLE 번호 (***)	CABLE 종류
178	RG178, RG196
316	RG174, RG188, RG316
058	RG58, RG141, RG303
400	RG142, RG223, RG400
085	.085"
141	.141"
250	.250"

TNC Series

BULKHEAD JACK

Fig.1 Solder Attachment



Fig.2 Crimping Attachment



Fig.3 Clamping Attachment



ADAPTOR

Fig.5

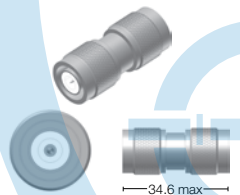


Fig.6

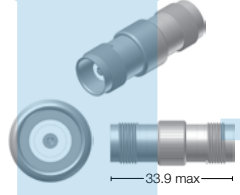


Fig.7

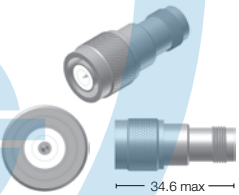


FIG.	ORDER NUMBER	Δ <FLG, MTG, HOLE>	XX<CONTACT TERMINATION>
FIG.1	T14 - *** - SD - Δ		
FIG.2	T14 - *** - CR - Δ		
FIG.3	T14 - *** - CL - Δ		
FIG.4	Y25 - *** - XX	2 (2 Hole), 4 (4 Hole)	〈표 1 참조〉
FIG.5	T81101		
FIG.6	T81202		
FIG.7	T81102		

CABLE 번호 (***)	CABLE 종류
178	RG178, RG196
316	RG174, RG188, RG316
058	RG58, RG141, RG303
400	RG142, RG223, RG400
085	.085"
141	.141"
250	.250"

BULKHEAD RECEPTACLE

Fig.4

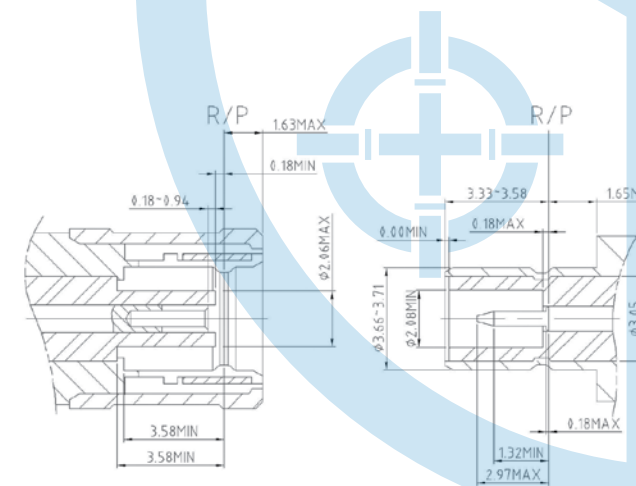


〈丑 1〉

CONTACT TERMINATION

1		6	
2		7	
3		8	
4		9	
5			

SMB Series



ELECTRICAL SPECIFICATION

FREQUENCY RANGE	DC~4GHz
VSWR (F=GHz)	1.06+0.03(f)
INSERTION LOSS	0.07X√f(GHz)dB
RF-LEAKAGE	≥ 55dB
INSULATION RESISTANCE	≥ 5x10 ⁹ MΩ
CONTACT RESISTANCE (CENTER CONTACT)	≤ 6.0mΩ
CONTACT RESISTANCE (OUTER CONTACT)	≤ 0.9mΩ

CABLE PLUG

Fig.1 Crimping Attachment

Fig.2 Solder Attachment

RIGHT ANGLE CABLE PLUG

Fig.3 Clamping Attachment

Fig.4 Solder Attachment

CABLE JACK

Fig.5 Crimping Attachment

Fig.6 Solder Attachment

FIG.	ORDER NUMBER	CABLE 번호(***)	CABLE 종류
FIG.1	B11 - *** - CR	178	RG178, RG196
FIG.2	B11 - *** - SD	316	RG174, RG188, RG316
FIG.3	B13 - *** - CR	058	RG58, RG141, RG303
FIG.4	B13 - *** - SD	400	RG142, RG223, RG400
FIG.5	B12 - *** - CR	047	.047"
FIG.6	B12 - *** - SD	185	.085"
		141	.141"

PANEL RECEPTACLE

Fig.1

PCB RECEPTACLE

Fig.3

BULKHEAD RECEPTACLE

Fig.2

Fig.4

Fig.5

FIG.	ORDER NUMBER	Δ <FLG, MTG, HOLE>	CABLE 번호(***)	CABLE 종류
FIG.1	B25 - Δ - YY	2 (2Hole) 4 (4Hole)	178	RG178, RG196
FIG.2	B35 - YY		316	RG174, RG188, RG316
FIG.3	B45 - 01		058	RG58, RG141, RG303
FIG.4	B45 - 02		400	RG142, RG223, RG400
FIG.5	B45 - 03		047	.047"
			085	.085"
			141	.141"

SMB Series

ADAPTOR

Fig.1 Solder Attachment



Fig.2 Solder Attachment



Fig.3 Solder Attachment



BULKHEAD JACK

Fig.4 Crimping Attachment



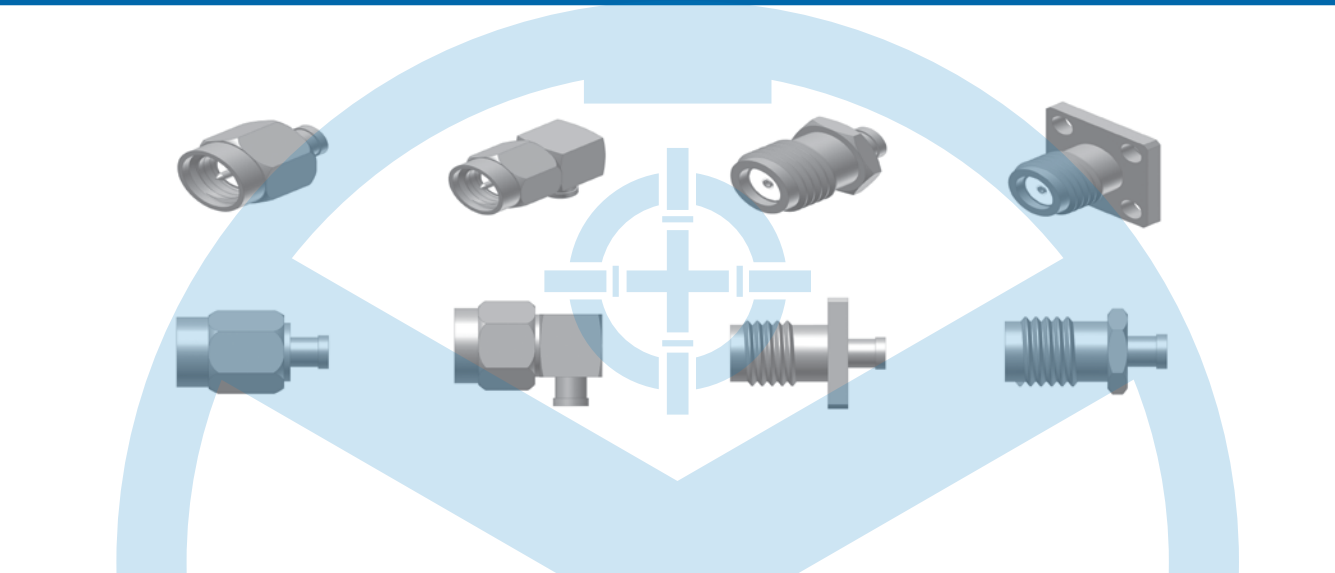
Fig.5 Solder Attachment

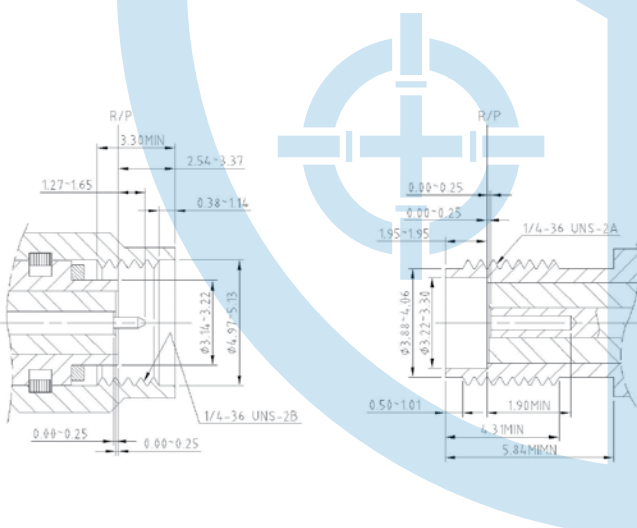


FIG.	ORDER NUMBER	CABLE 번호(***)	CABLE 종류
FIG.1	B81101	178	RG178, RG196
FIG.2	B81202	316	RG174, RG188, RG316
FIG.3	B81102	058	RG58, RG141, RG303
FIG.4	B32 - *** - CR	400	RG142, RG223, RG400
FIG.5	B32 - *** - SD	047	.047"
		085	.085"
		141	.141"

SSMA Series







ELECTRICAL SPECIFICATION

FREQUENCY RANGE	DC~36GHz
VSWR (f=GHz)	1.06+0.008(f)
INSERTION LOSS	0.04X√f(GHz)dB
RF-LEAKAGE (2~3GHz)	≥ 100dB
INSULATION RESISTANCE	≥ 5x10 ⁹ MΩ
CONTACT RESISTANCE (CENTER CONTACT)	≤ 2.0mΩ
CONTACT RESISTANCE (OUTER CONTACT)	≤ 2.0mΩ

CABLE PLUG

Fig.1 Solder Attachment



Fig.2 Crimping Attachment



Fig.3 Clamping Attachment



RIGHT ANGLE CABLE PLUG

Fig.4 Solder Attachment



Fig.5 Crimping Attachment



Fig.6 Clamping Attachment



FIG.	ORDER NUMBER
FIG.1	U11 - *** - SD
FIG.2	U11 - *** - CR
FIG.3	U11 - *** - CL
FIG.4	U13 - *** - SD
FIG.5	U13 - *** - CR
FIG.6	U13 - *** - CL

CABLE 번호(***)	CABLE 종류
178	RG178, RG196
316	RG174, RG188, RG316
058	RG58, RG141, RG303
400	RG142, RG223, RG400
047	.047"
085	.085"
250	.250"

CABLE JACK

Fig.1 Solder Attachment



Fig.2 Crimping Attachment



Fig.3 Clamping Attachment



BULKHEAD JACK

Fig.4 Solder Attachment



Fig.5 Crimping Attachment



Fig.6 Clamping Attachment



FIG.	ORDER NUMBER	Δ <FLG, MTG, HOLE>
FIG.1	U12 - *** - SD	
FIG.2	U12 - *** - CR	
FIG.3	U12 - *** - CL	
FIG.4	U32 - *** - SD	
FIG.5	U32 - *** - CR	
FIG.6	U32 - *** - CL	
FIG.7	U22 - *** - SD- Δ	2 (2 Hole)
FIG.8	U22 - *** - CR- Δ	4 (4 Hole)
FIG.9	U22 - *** - CL- Δ	

PANEL JACK

Fig.7 Solder Attachment

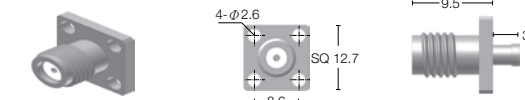


Fig.8 Crimping Attachment

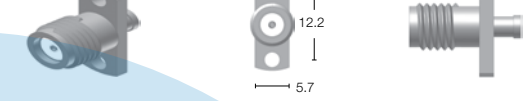
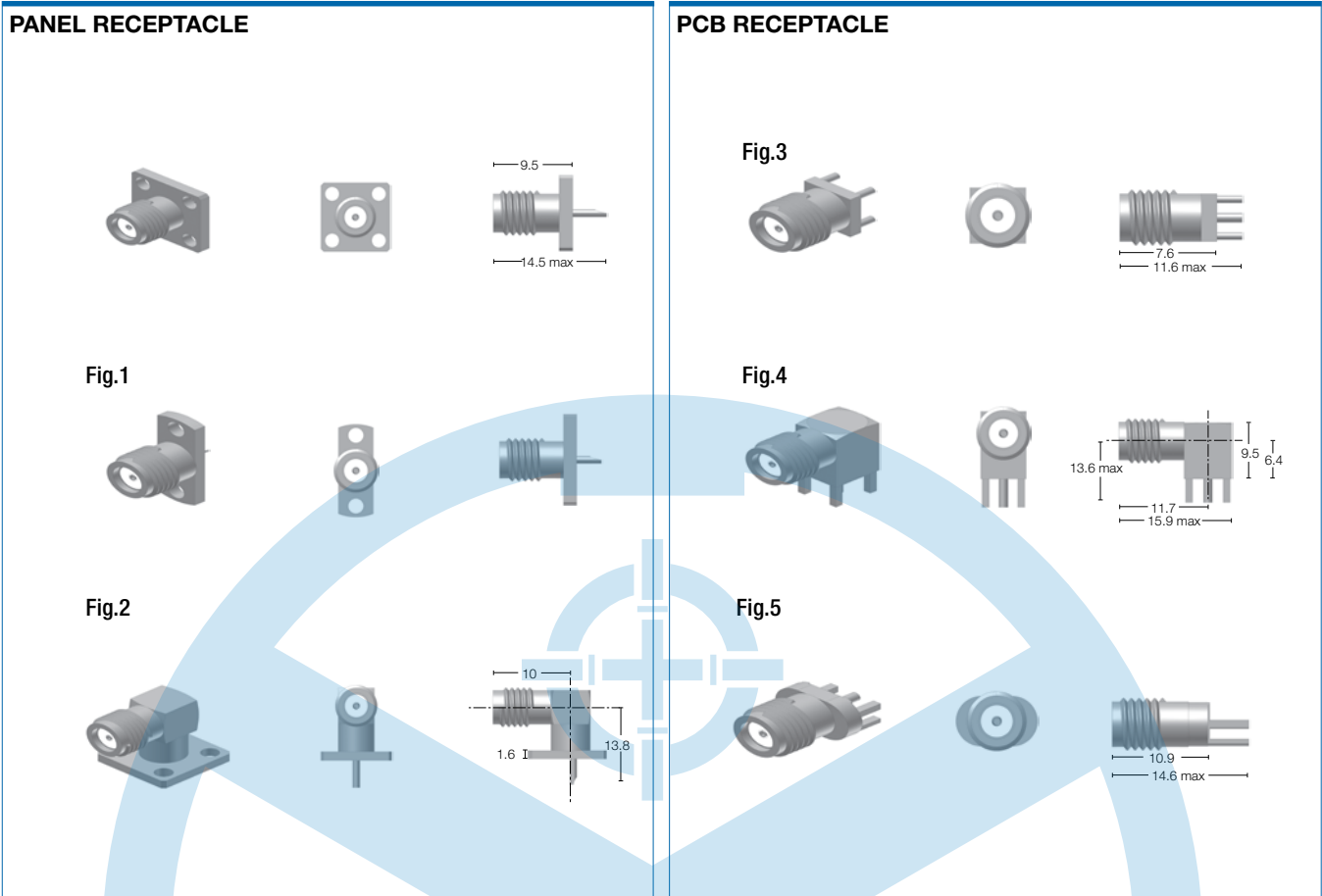


Fig.9 Clamping Attachment



CABLE 번호(***)	CABLE 종류
178	RG178, RG196
316	RG174, RG188, RG316
058	RG58, RG141, RG303
400	RG142, RG223, RG400
047	.047"
085	.085"
250	.250"



〈표 1〉 CONTACT TERMINATION		〈표 2〉 TRANSITION CONTACT	
1		1	
2		2	
3		3	
4		4	
5			
6			
7			
8			
9			

FIG.	ORDER NUMBER	△ <FLG, MTG, HOLE>	XX<CONTACT TERMINATION>	YY<TRANSITION CONTACT>
FIG.1	U25 - △ - XX - YY - 01	2 (2 Hole)		
FIG.2	U25 - △ - XX - YY - 02	4 (4 Hole)		
FIG.3	U45 - XX - YY - 01		〈표 1 참조〉	〈표 2 참조〉
FIG.4	U45 - XX - YY - 02			
FIG.5	U25 - XX - YY - 03			

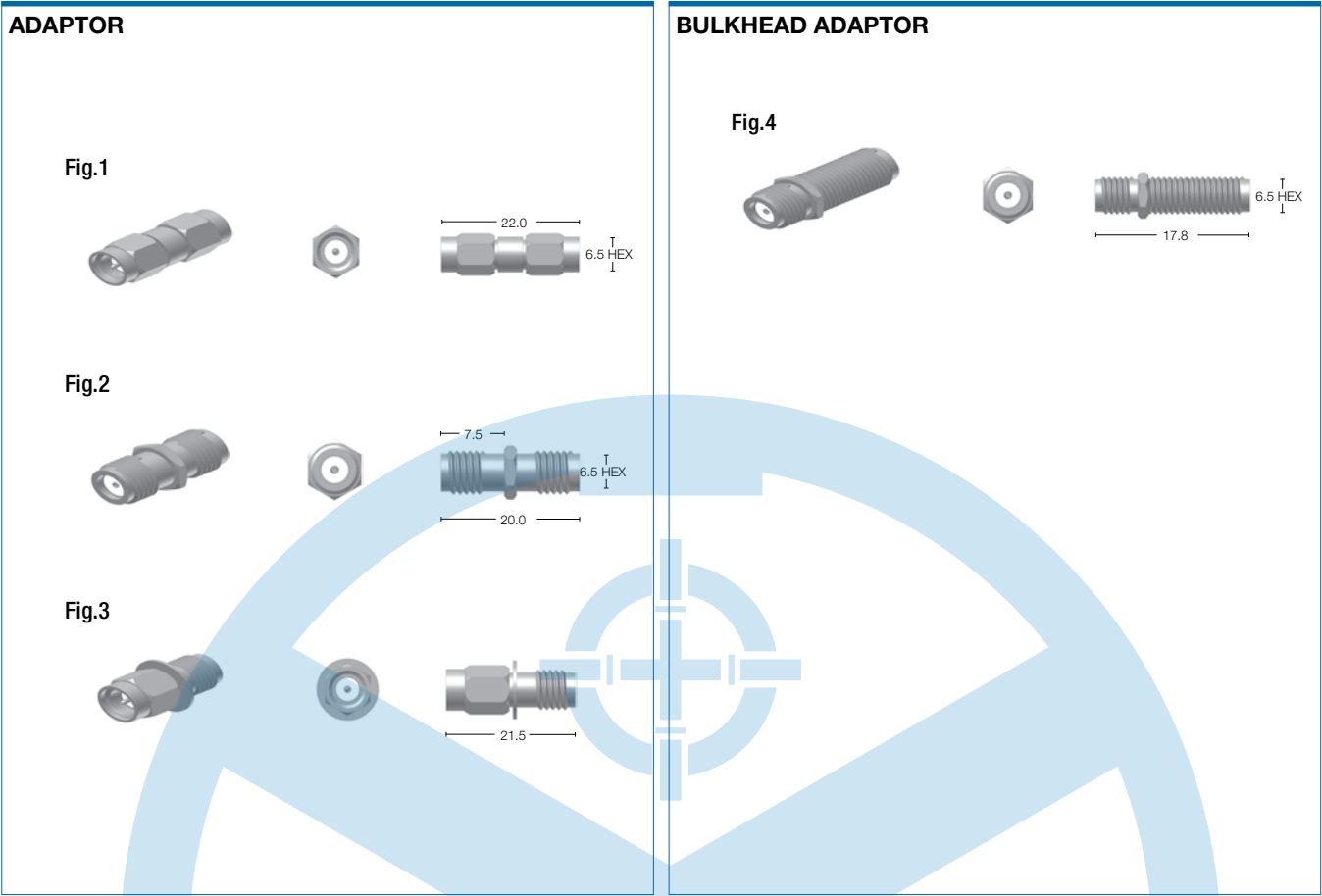
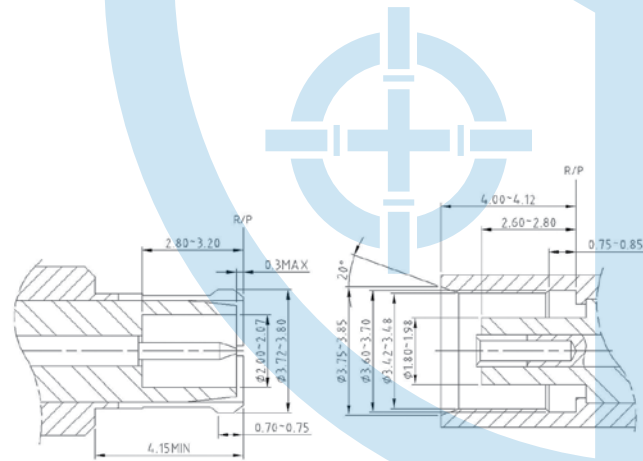
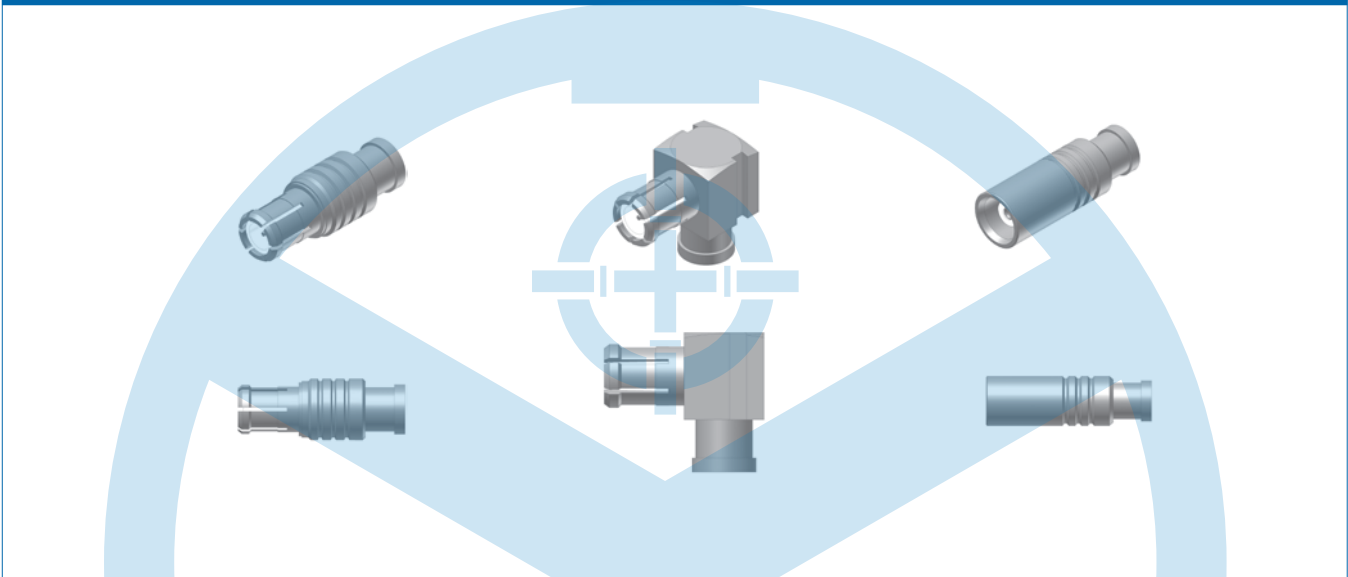


FIG.	ORDER NUMBER
FIG.1	U81101
FIG.2	U81202
FIG.3	U81102
FIG.4	U83202



ELECTRICAL SPECIFICATION

FREQUENCY RANGE	DC~4GHz
VSWR (f=GHz)	1.06+0.003(f)
INSERTION LOSS	0.07X $\sqrt{f}$ (GHz)dB
RF-LEAKAGE (2~3GHz)	≥ 60dB
INSULATION RESISTANCE	≥ 5x10 ⁹ MΩ
CONTACT RESISTANCE (CENTER CONTACT)	≤ 5.0mΩ
CONTACT RESISTANCE (OUTER CONTACT)	≤ 1.0mΩ

CABLE PLUG

Fig.1 Solder Attachment



Fig.2 Crimping Attachment



BULKHEAD PLUG

Fig.3



RIGHT ANGLE CABLE PLUG

Fig.4 Solder Attachment



Fig.5 Crimping Attachment



CABLE JACK

Fig.6 Solder Attachment

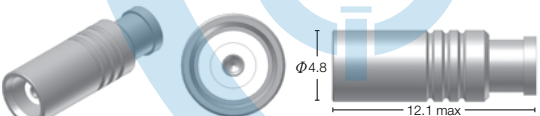


Fig.7 Crimping Attachment



FIG.	ORDER NUMBER
FIG.1	M11 - *** - SD
FIG.2	M11 - *** - SR
FIG.3	M31 - ***
FIG.4	M13 - *** - SD
FIG.5	M13 - *** - CR
FIG.6	M12 - *** - SD
FIG.7	M12 - *** - CR

CABLE 번호(***)	CABLE 종류
178	RG178, RG196
316	RG174, RG188, RG316
058	RG58, RG141, RG303
400	RG142, RG223, RG400
047	.047"
085	.085"
141	.141"

PCB RECEPTACLE

Fig.1 Solder Attachment

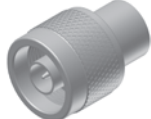
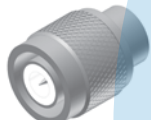
SQ 6.35 5.5 9.5 max

Fig.2 Crimping Attachment

SQ 6.35 5.5 9.6 max

FIG.	ORDER NUMBER
FIG. 1	M45 - 01
FIG. 2	M45 - 02

TERMINATION

FIG	종류	사용 주파수
 8.0 HEX 15.1 max	SMA MALE	DC~26.5GHz
 8.0 HEX 14.3 max	SMA FEMALE	DC~26.5GHz
 φ20.6 36.1 max	N MALE	DC~11GHz
 φ15.3 43.6 max	N FEMALE	DC~11GHz
 φ16.0 28.5 max	TNC MALE	DC~11GHz
 φ14.5 30.5 max	TNC FEMALE	DC~11GHz
 φ6.5 19.1 max	SMB FEMALE	DC~4GHz
 φ6.5 18.9 max	SMB MALE	DC~4GHz
 φ6.5 18.5 max	MCX MALE	DC~4GHz
 φ6.5 18.7 max	MCA FEMALE	DC~4GHz

36 YEONHAB PRECISION CO., LTD.

YEONHAB PRECISION CO., LTD. 37



Cable 길이

주문방법

예) S11 - S11 - *** - 0000

- Cable 길이
- Cable 종류
- 양쪽 Connector 종류

Cable 길이

	표기법	실제길이
mm 단위	2250	2,25M
0,1M 단위	M225	22,5M

FLEXIBLE CABLES

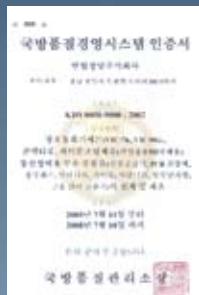
Cable	Cable	Ω	내부도체			절연체		차폐물			재킷	
분류번호	종류		mm	재질	φ mm	재질	φ mm	종류	재질	φ mm	재질	φ mm
178	RG178B/U	50	7 X0.1	CuStAg	0.3	PTFE	0.83	단일	CuAg	1.33	FEP	1.8
	RG196A/U	50	7 X0.1	CuStAg	0.3	PTFE	0.83	차폐	Ag	1.33	PFA	1.95
316	RG174/U	50	7 X0.16	CuSt	0.48	PE	1.5	단일	CuSn	2.0	PVC	2.55
	RG188A/U	50	7 X0.18	CuStAg	0.54	PTFE	1.55	차폐	CuAg	2.0	PFA	2.6
	RG316/U	50	7 X0.18	CuStAg	0.54	PTFE	1.54		CuAg	2.05	FEP	2.5
179	RG179B/U	75	7 X0.1	CuStAg	0.3	PTFE	1.53	단일	CuAg	2.0	FEP	2.54
	RG128A/U	75	7 X0.1	CuStAg	0.3	PTFE	1.53	차폐	CuAg	2.0	PFA	2.6
0.58	RG58C/U	50	19 X0.18	CuSn	0.9	PE	2.95	단일	CuSn	3.55	PVC	4.95
	RG141A/U	50	0.95	CuStAg	0.95	PTFE	2.95	차폐	CuAg	3.6	PTFE/Gsi	4.4
	RG303/U	50	0.95	CuStAg	0.95	PTFE	2.95		CuAg	3.6	FEP	4.3
400	RG142B/U	50	0.95	CuStAg	0.95	PTFE	2.95	이중	CuAg/ CuAg	3.6/4.25	PVC	4.95
	RG223/U	50	0.89	CuAg	0.89	PE	2.95	차폐	CuAg/ CuAg	3.6/4.2	FEP	5.4
	RG400/U	50	19 X0.195	CuAg	1.0	PTFE	2.95		CuAg/ CuAg	3.6/4.2	PVC	4.95
059	RG59B/U	75	0.6	CuSt	0.6	PE	3.75	단일	Cu	4.5	PVC	6.1
	RG303/U	75	0.635	CuStAg	0.635	PTFE	3.7	차폐	CuAg	4.4	FEP	5.1
212	RG212/U	50	1.35	CuAg	1.35	PE	4.7	이중	CuAg/ CuAg	5.45/6.2	PVC	8.45
	RG222/U	50	1.4	CrNi	1.4	PTFE	4.7	차폐	CuAg/ CuAg	5.45/6.2	PVC	8.45
006	RG6A/G	75	0.73	CuSt	0.73	PE	4.7	이중	CuAg/ CuAg	5.4/6.2	PVC	8.45
								차폐				
213	RG165/U	50	7X0.82	CuAg	2.46	PTFE	7.25	단일	CuAg	8.0	PTFE/Gsi	10.3
	RG213/U	50	7X0.75	Cu	2.25	PE	7.25	차폐	Cu	8.15	PVC	10.3
214	RG214/U	50	7X0.75	CuAg	2.25	PE	7.25	이중	CuAg/ CuAg	8.0/8.75	PVC	10.8
	RG225/U	50	7X0.82	CuAg	2.46	PTFE	7.25	차폐	CuAg/ CuAg	8.0/8.75	PTFE/Gsi	10.9
	RG393/U	50	7X0.79	CuAg	2.46	PTFE	7.25		CuAg/ CuAg	8.0/8.75	FEP	9.9
011	RG11A/U	75	7X0.4	CuSn	1.2	PE	7.25	단일	Cu	8.15	PVC	10.3
	RG114/U	75	7X0.45	CuStAg	1.35	PTFE	7.25	차폐	CuAg	8.0	PTFE/Gsi	9.65
216	RG216/U	75	7X0.4	CuSn	1.2	PE	7.25	이중	Cu/Cu	8.0/8.75	PVC	10.8
								차폐				
217	RG217/U	50	2.7	Cu	2.7	PE	9.4	이중	Cu/Cu	10.3/11.2	PVC	13.85
								차폐				
034	RG34B/U	75	2.7	Cu	1.86	PE	11.5	단일	Cu	12.4	PVC	16.0
								차폐				
177	RF177/U	50	5.0	PE	5.0	PE	17.3	단일	Cu	18.55	PVC	22.7
								차폐				
218	RG218/U	50	5.0	Cu	5.0	PE	17.3	단일	Cu	18.55	PVC	22.1
								차폐				
164	RG164/U	75	2.65	Cu	2.65	PE	17.3	단일	Cu	18.6	PVC	22.1
								차폐				

SEMI-RIGID CABLES & SEMI-FLEXIBLE CABLE

Cable	Cable	Ω	내부도체			절연체		차폐물	
분류번호	종류		mm	재질	φ mm	재질	φ mm	재질	φ mm
034	UT034,EZ34	50	0.2	CuStAg	0.2	PTFE	0.66	Cu	0.86
047	UT047,EZ47	50	0.29	CuAg	0.29	PTFE	0.94	Cu	1.19
085	UT085,EZ86	50	0.51	CuStAg	0.51	PTFE	1.68	Cu	2.20
141	UT141,EZ14	50	0.91	CuStAg	0.91	PTFE	2.98	Cu	3.58
250	UT250,EZ250	50	1.63	CuAg	1.63	PTFE	5.31	Cu	6.35



연합정밀주식회사
YEONHAB PRECISION CO., LTD.



국방품질경영시스템(국방)



AS 9100(항공)



ISO 14001(환경)



ISO 9001(품질)

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제2공장 (2nd Factory)	충남 연기군 전동면 청송리 167-4 TEL: 041-863-8401 FAX: 041-863-8104	#167-4, Cheongsong-Ri, Jeondong-Myun, Yeonki-Kun, Chungcheongnam-Do, Korea (ZIP CODE: 339-842) TEL: +82-(0)41-863-8401 FAX: +82-(0)41-863-8104
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