F SPLICES

■ MODELS F-811 : F-81 : G-F811 : G-F81F : G-F81F* : G-F81XL

G-F811 G-F81F G-F81F* G-F81XL

G SERIES HIGH PERFORMANCE

F-811 F-81

STANDARD

G SERIES FEATURES

- 3 GHz Operation
- Lower Insertion Loss
- High Return Loss (> 35 dB)
- Flat Port Ends (IPS SP 400)
- High Holding Force: > 200 grams
- Beryllium Copper Seizing Pin
- Greater Contact Area

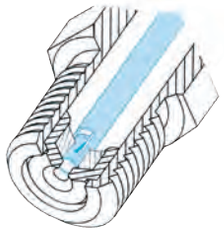
STANDARD SERIES FEATURES

- Heavy Duty Zinc Body (F-811)
- Machine Thread (F-81)

CUSTOMER NOTES:

HIGH PERFORMANCE F SPLICE PRODUCTS

Holland Electronics has advanced the traditional F splice technology with a patented design offering a higher level of electrical and mechanical features. The advanced features provide increased return loss beyond 3 GHz, twice the pin contact area and increased holding force for higher current handling and greater reliability.



*** PASSES ALL SCTE REQUIREMENTS. PLEASE SEE BACK FOR ADDITIONAL TEST SPECIFICATIONS.**

Patents #5,863,226 / #5,498,175 / #5,667,409 / #6,113,431 / #6,276,970

F SPLICES

F SPLICE SPECIFICATIONS

MODEL	F-811	F-81	G-F811	G-F81F	G-F81F*	G-F81XL
Frequency Range	DC - 3 GHz	DC - 3 GHz	DC - 3 GHz	DC - 3 GHz	DC - 3 GHz	DC - 3 GHz
Insertion Loss	.3 dB (1 GHz) .6 dB (2 GHz) 2.0 dB (3 GHz)	.3 dB (1 GHz) .6 dB (2 GHz) 2.0 dB (3 GHz)	< .1 dB (1 GHz) < .2 dB (2 GHz) < .3 dB (3 GHz)	< .1 dB (1 GHz) < .2 dB (2 GHz) < .3 dB (3 GHz)	< .1 dB (1 GHz) < .2 dB (2 GHz) < .3 dB (3 GHz)	< .1 dB (1 GHz) < .2 dB (2 GHz) < .3 dB (3 GHz)
Return Loss	> 12 dB (1 GHz) > 9 dB (2 GHz) > 6 dB (3 GHz)	> 12 dB (1 GHz) > 9 dB (2 GHz) > 6 dB (3 GHz)	> 35 dB (1 GHz) > 28 dB (2 GHz) > 26 dB (3 GHz)	> 35 dB (1 GHz) > 28 dB (2 GHz) > 26 dB (3 GHz)	> 35 dB (1 GHz) > 28 dB (2 GHz) > 26 dB (3 GHz)	> 35 dB (1 GHz) > 28 dB (2 GHz) > 26 dB (3 GHz)
Pin Holding Force	> 50g (Initial)	> 50g (Initial)	> 200g (Initial) > 120g (After 50 Inserts)	> 200g (Initial) > 120g (After 50 Inserts)	> 200g (Initial) > 120g (After 50 Inserts)	> 200g (Initial) > 120g (After 50 Inserts)
MECHANICAL						
Total Length (mm)	21.2	21.2	26.3	27	27	34.05
Long End/Short End (mm)	11.6 / 8.1	11.2 / 8	11.6 / 10.3	12.6 / 10.1	15.4 / 8.6	15 / 15
Nut Size (mm)	11 Hex (7/16")	11 Hex (7/16")	11 Hex (7/16")	11 Hex (7/16")	11 Hex (7/16")	11 Hex (7/16")
Body Material	Zinc	Zinc	Zinc	Brass	Brass	Brass
Threads	Die Cast	Machined	Machined	Machined	Machined	Machined
Contact Pin	Phos. Bronze	Phos. Bronze	BeCu	BeCu	BeCu	BeCu
Insulator	PE	PE	HDPE	HDPE	HDPE	HDPE

MEETS APPLICABLE SCTE SPECIFICATIONS (G-SERIES).

GROUND BLOCK SPECIFICATIONS (PLEASE SEE GROUND BLOCKS ON PAGE 35)

MODEL	GRB-1	GRB-2	G-G2B2	GL-G2B2	GRB-2DHR	GRB-2THRUL	GRB-S	GRB-SL
Frequency Range	DC -1 GHz	DC -1 GHz	DC - 3 GHz	DC - 3 GHz	DC - 3 GHz	DC - 3 GHz	DC - 3 GHz	DC - 3 GHz
Insertion Loss	.3	.3	< .1 dB (1 GHz) < .2 dB (2 GHz) < .3 dB (3 GHz)	< .1 dB (1 GHz) < .2 dB (2 GHz) < .3 dB (3 GHz)	< .1 dB (1 GHz) < .2 dB (2 GHz) < .3 dB (3 GHz)	< .1 dB (1 GHz) < .2 dB (2 GHz) < .3 dB (3 GHz)	< .1 dB (1 GHz) < .2 dB (2 GHz) < .3 dB (3 GHz)	< .1 dB (1 GHz) < .2 dB (2 GHz) < .3 dB (3 GHz)
Return Loss (1 GHz/2 GHz /3 GHz)	10	10	35 / 30 / 26	35 / 30 / 26	35 / 25 / 20	35 / 25 / 20	35 / 30 / 26	35 / 30 / 26
Pin Holding Force (Initial)	50g	50g	200g	200g	200g	200g	200g	200g
MECHANICAL								
Splice Length (mm)	25.4	25.4	25.7	34.6	25.8	25.6	27	34.6
Body Material	Zinc	Zinc	Zinc / Brass	Zinc / Brass	Zinc	Zinc	SS / Brass	SS / Brass
Groundscrews / Material	1 / Steel	1 / Steel	1 / Steel	1 / Steel	2 / Stainless	3 / Stainless	1 / Stainless	1 / Stainless
Groundwire Range (AWG)	12 - 16	12 - 16	10 - 14	10 - 14	10 - 14	8 - 14	10 - 14	10 - 14
Contact Pin	Phos. Bronze	Phos. Bronze	BeCu	BeCu	BeCu	BeCu	BeCu	BeCu
Insulator	PVC	PVC	HDPE	HDPE	HDPE	HDPE	HDPE	HDPE

MEETS APPLICABLE SCTE SPECIFICATIONS (EXCLUDING GRB-1, GRB-2).

NOTE: All specifications typical unless otherwise noted