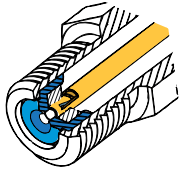


F SPLICES

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

THE FIRST & MOST POPULAR PATENTED HIGH-PERFORMANCE DESIGN



Patented Round
Pin Technology



G-F811



G-F81F*



G-F81XL



F-81

G SERIES HIGH-PERFORMANCE

STANDARD

G SERIES FEATURES

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

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, more than twice the pin contact area and increased holding force for higher current handling and greater reliability.



The blue color insulator is
a registered trademark of
Holland Electronics, LLC
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STANDARD SERIES FEATURES

- **Zinc Body**
- **Phosphor Bronze Seizing Pin**
- **Low Insertion Loss**
- **Years of Proven Reliability**

Applicable Patents - reference: S / U / V / W / X - See page 111 for patent details

F SPLICES

SPECIFICATIONS

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

HOLLAND'S SUPERLOK™ G-SERIES SPLICES PASS SCTE 146 2008 USING THE FOLLOWING SPECIFICATIONS:

SCTE 103 2004	DC Contact Resistance	Pass
SCTE 144 2007	Insertion Loss	Pass
SCTE 04 1997	Return Loss	>30 dB @ 1002 MHz
SCTE 143 2007	Salt Spray	Pass
SCTE 48-1 2007	Shielding Effectiveness	>100 dB @ 1002 MHz
SCTE 81 2007	Surge Withstand	Pass