



PRODUCT FEATURES

Transmission Line 1 5/8" – DC÷2.5GHz

- High-performance rigid transmission copper-copper or aluminum-copper conductors
- Low VSWR
- Low Insertion Loss
- Clamp-type flange system
- Modular jointing components
- Dimension: standard EIA 1 5/8"
- Impedance: 50Ω
- Insulator: PTFE

GENERAL FEATURES

MAXIMUM RMS INPUT POWER ^(1;2)

VHF B.I (88MHz): **17kW**
 VHF B.II (108MHz): **15kW**
 VHF B.III (230MHz): **10kW**
 UHF (860MHz): **5.5kW**

ELECTRICAL and MECHANICAL DATA

ATTENUATION ^(1;3)

VHF B.I (88MHz): **0.61** dB/100mt
 VHF B.II (108MHz): **0.65** dB/100mt
 VHF B.III (230MHz): **0.95** dB/100mt
 UHF (860MHz): **1.85** dB/100mt

WEIGHT

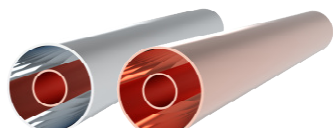
1,84 Kg/mt (1.24 lbs/ft)
 copper-copper
0,85 Kg/mt (0.57 lbs/ft)
 aluminum-copper

ELECTRICAL and MECHANICAL DATA

WEIGHT

0.1 Kg (0.22 lbs)

Rigid Line



PRODUCT CODE:
RL158-IC
 Copper inner conductor
RL158-OA
 Aluminum outer conductor
RL158-OC
 Copper outer conductor

Inner conductor support



PRODUCT CODE:
RL158S

Recommended for use on 1 5/8" transmission line runs longer than 1.5m (5')

⁽¹⁾ Default Specific band configurations available ⁽²⁾ Altitude < 1525 mt (5000 ft) and +30° C (86° F) air dry temperature ⁽³⁾ Sea level, and +20° C (68° F) air dry temperature, VSWR 1.0
⁽⁴⁾ Return Loss (VSWR) value is referred 700MHz

Clamping Flange

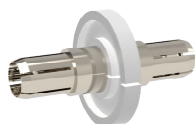


PRODUCT CODE:
RL158F-8-A
Aluminum
RL158F-8-B
Brass

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	0,25 Kg (0.55 lbs) – Aluminum 0,75 Kg (1.65 lbs) – Brass

EIA Inner



PRODUCT CODE:
RL158I

ELECTRICAL and MECHANICAL DATA

WEIGHT	0.1 Kg (0.22 lbs)
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Rigid Line Joint



PRODUCT CODE:
RL158J

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	1,8 Kg (4.00 lbs)

90° Elbow Clamping-Clamping



PRODUCT CODE:
RL158E-BB

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	1,6 Kg (3.52 lbs)

90° Elbow EIA Flange-Clamping

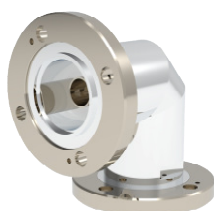


PRODUCT CODE:
RL158E-8B

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	2,0 Kg (4.40 lbs)

90° Elbow EIA Flange – EIA Flange



PRODUCT CODE:
RL158E-88

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	2,40 Kg (5.30 lbs)

⁽¹⁾ Default Specific band configurations available ⁽²⁾ Altitude < 1525 mt (5000 ft) and +30° C (86° F) air dry temperature ⁽³⁾ Sea level, and +20° C (68° F) air dry temperature, VSWR 1.0
⁽⁴⁾ Return Loss (VSWR) value is referred 700MHz