



PRODUCT FEATURES

Transmission Line 7/8" – DC÷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 7/8"
- Impedance: 50Ω
- Insulator: PTFE

GENERAL FEATURES

<i>MAXIMUM RMS INPUT POWER</i> ^(1;2)	VHF B.I (88MHz): 7kW
	VHF B.II (108MHz): 6kW
	VHF B.III (230MHz): 4kW
	UHF (860MHz): 2.5kW

ELECTRICAL and MECHANICAL DATA

<i>ATTENUATION</i> ^(1;3)	VHF B.I (88MHz): 1.05 dB/100mt
	VHF B.II (108MHz): 1.17 dB/100mt
	VHF B.III (230MHz): 1.84 dB/100mt
	UHF (860MHz): 3.55 dB/100mt
<i>WEIGHT</i>	0,80 Kg/mt (0.54 lbs/ft)
	copper-copper
	0,34 Kg/mt (0.23 lbs/ft)
	aluminum-copper

Rigid Line



PRODUCT CODE:
RL78-IC
 Copper inner conductor
RL78-OA
 Aluminum outer conductor
RL78-OC
 Copper outer conductor

Inner conductor support



PRODUCT CODE:
RL78S

Recommended for use on 7/8" transmission line runs longer than 1.5m (5')

ELECTRICAL and MECHANICAL DATA

<i>WEIGHT</i>	0.05 Kg (0.11 lbs)
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⁽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:
RL78F-4-A
 Aluminum
RL78F-4-B
 Brass

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	0,2 Kg (0.44 lbs) – Aluminum 0,5 Kg (1.10 lbs) – Brass

EIA Inner



PRODUCT CODE:
RL78I

ELECTRICAL and MECHANICAL DATA

WEIGHT	0.05 Kg (0.11 lbs)
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Rigid Line Joint



PRODUCT CODE:
RL78J

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	1,0 Kg (2.20 lbs)

90° Elbow Clamping-Clamping



PRODUCT CODE:
RL78E-77

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	0,8 Kg (1.76 lbs)

90° Elbow EIA Flange-Clamping

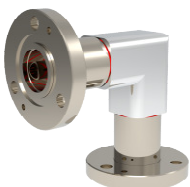


PRODUCT CODE:
RL78E-47

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	1,0 Kg (2.20 lbs)

90° Elbow EIA Flange-EIA Flanged



PRODUCT CODE:
RL78E-44

ELECTRICAL and MECHANICAL DATA

RETURN LOSS ⁽⁴⁾ (VSWR)	> -36.6 dB < 1.03
WEIGHT	1,20 Kg (2.65 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