

Open - Short - Load

RPC-N 50 Ω Open - Short - Load

Ordering Number	Version	Remarks	Return Loss	Power Handling	
05 S 12L-000 S3	straight	RPC-N 50 Ω open circuit, male, a = 46.3 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.20 dB @ 4 GHz to 18 GHz		
05 S 12S-000 S3	straight	RPC-N 50 Ω short circuit, male, a = 46.3 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.15 dB @ 4 GHz to 18 GHz		
05 S 150-C10 S3	straight	RPC-N 50 Ω broadband load, calibration kit, male, a = 42.7 mm	≥ 45 dB @ DC to 4 GHz ≥ 30 dB @ 4 GHz to 18 GHz	0.5 W	
05 S 150-010 S3	straight	RPC-N 50 Ω broadband load standard, male, a = 49.3 mm	≥ 28 dB @ DC to 18 GHz	0.5 W	
05 K 12L-000 S3	straight	RPC-N 50 Ω open circuit, female,	≤ 0.10 dB @ DC to 4 GHz ≤ 0.20 dB @ 4 GHz to 18 GHz		
05 K 12S-000 S3	straight	RPC-N 50 Ω short circuit, female, a = 46.3 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.15 dB @ 4 GHz to 18 GHz		
05 K 150-C10 S3	straight	RPC-N 50 Ω broadband load, calibration kit, female, a = 39.2 mm	≥ 45 dB @ DC to 4 GHz ≥ 30 dB @ 4 GHz to 18 GHz	0.5 W	
05 K 150-010 S3	straight	RPC-N 50 Ω broadband load standard, female, a = 48 mm	≥ 28 dB @ DC to 18 GHz	0.5 W	

complete calibration kits also available

RPC-N 75 Ω Open - Short - Load

Ordering Number	Version	Remarks	Return Loss	Power Handling	
P5 S 12L-000 S3	straight	RPC-N 75 Ω open circuit, male, a = 46.3 mm	≤ 0.07 dB @ DC to 2 GHz ≤ 0.10 dB @ 2 GHz to 4 GHz		
P5 S 12S-000 S3	straight	RPC-N 75 Ω short circuit, male, a = 46.3 mm	≤ 0.07 dB @ DC to 2 GHz ≤ 0.10 dB @ 2 GHz to 4 GHz		
P5 S 150-C10 S3	straight	RPC-N 75 Ω broadband load, calibration kit, male a = 42.7 mm	≥ 40 dB @ DC to 2 GHz ≥ 36 dB @ 2 GHz to 4 GHz	0.5 W	
P5 K 12L-000 S3	straight	RPC-N 75 Ω open circuit, female,	≤ 0.07 dB @ DC to 2 GHz ≤ 0.10 dB @ 2 GHz to 4 GHz		
P5 K 12S-000 S3	straight	RPC-N 75 Ω short circuit, female, a = 46.3 mm	≤ 0.07 dB @ DC to 2 GHz ≤ 0.10 dB @ 2 GHz to 4 GHz		
P5 K 150-C10 S3	straight	RPC-N 75 Ω broadband load calibration kit, female, a = 41.3 mm	≥ 40 dB @ DC to 2 GHz ≥ 36 dB @ 2 GHz to 4 GHz	0.5 W	

complete calibration kits also available

RPC-TNC Open - Short - Load

Ordering Number	Remarks	Return Loss	Power Handling	
06 S 12L-000 S3	RPC-TNC open circuit, male a = 48.8 mm	≤ 0.50 dB @ DC to 4 GHz ≤ 1.00 dB @ 4 GHz to 18 GHz		
06 S 12S-000 S3	RPC-TNC short circuit, male a = 49.8 mm	≤ 0.50 dB @ DC to 4 GHz ≤ 1.00 dB @ 4 GHz to 18 GHz		
06 S 150-C10 S3	RPC-TNC broadband load, calibration kit, male a = 50.3 mm	≥ 35 dB @ DC to 4 GHz ≥ 25 dB @ 4 GHz to 18 GHz	0.5 W	
06 K 12L-000 S3	RPC-TNC open circuit, female a = 59 mm	≤ 0.50 dB @ DC to 4 GHz ≤ 1.00 dB @ 4 GHz to 18 GHz		
06 K 12S-000 S3	RPC-TNC short circuit, female a = 58.6 mm	≤ 0.50 dB @ DC to 4 GHz ≤ 1.00 dB @ 4 GHz to 18 GHz		
06 K 150-C10 S3	RPC-TNC broadband load, calibration kit, female a = 51.4 mm	≥ 35 dB @ DC to 4 GHz ≥ 25 dB @ 4 GHz to 18 GHz	0.5 W	

complete calibration kits also available

RPC-7 Open - Short - Load

Ordering Number	Remarks	Return Loss	Power Handling	
07 P 12L-000 S3	RPC-7 open circuit, a = 42.9 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.15 dB @ 4 GHz to 18 GHz		
07 P 12S-000 S3	RPC-7 short circuit, a = 44.2 mm	≤ 0.07 dB @ DC to 4 GHz ≤ 0.12 dB @ 4 GHz to 18 GHz		
07 P 150-C10 S3	RPC-7 broadband load, calibration kit, a = 42.9 mm	≥ 45 dB @ DC to 4 GHz ≥ 32 dB @ 4 GHz to 18 GHz	0.5 W	
07 P 150-010 S3	RPC-7 broadband load standard, a = 42.9 mm	≥ 28 dB @ DC to 18 GHz	0.5 W	

complete calibration kits also available

RPC-SP Open - Short - Load

Ordering Number	Remarks	Return Loss	Power Handling	
10 S 12L-000 S3	RPC-SP open circuit, male a = 34.4 mm	≤ 0.15 dB @ DC to 4 GHz ≤ 0.20 dB @ 4 GHz to 22 GHz		
10 S 12S-000 S3	RPS-SP short circuit, male a = 35.6 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.15 dB @ 4 GHz to 22 GHz		
10 S 150-C10 S3	RPC-SP broadband load, male a = 31.4 mm	≥ 34 dB @ DC to 4 GHz ≥ 26 dB @ 4 GHz to 18 GHz ≥ 23 dB @ 18 GHz to 22 GHz	0.5 W	
10 K 12L-000 S3	RPC-SP open circuit, female a = 38.8 mm	≤ 0.15 dB @ DC to 4 GHz ≤ 0.20 dB @ 4 GHz to 22 GHz		
10 K 12S-000 S3	RPS-SP short circuit, female a = 40.2 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.15 dB @ 4 GHz to 22 GHz		
10 K 150-C10 S3	RPC-SP broadband load, female a = 34.4 mm	≥ 34 dB @ DC to 4 GHz ≥ 26 dB @ 4 GHz to 18 GHz ≥ 23 dB @ 18 GHz to 22 GHz	0.5 W	

complete calibration kits also available

RPC-3.50 Open - Short - Load

Ordering Number	Remarks	Return Loss	Power Handling	
03 S 12L-000 S3	RPC-3.50 open circuit, male, a = 30.9 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.20 dB @ 4 GHz to 26.5 GHz		
03 S 12S-000 S3	RPC-3.50 short circuit, male, a = 30.7 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.15 dB @ 4 GHz to 26.5 GHz		
03 S 12S-001 D3	RPC-3.50 short circuit, male, LRL calibration kit a = 28.9 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.15 dB @ 4 GHz to 26.5 GHz		
03 S 150-C10 S3	RPC-3.50 broadband load, calibration kit, male, a = 31.5 mm	≥ 40 dB @ DC to 4 GHz ≥ 30 dB @ 4 GHz to 26.5 GHz	0.5 W	
03 S 17R-001 D3	RPC-3.50 broadband load standard, male	≥ 36 dB @ DC to 4 GHz, ≥ 23 dB @ 4 GHz to 26.5 GHz	0.5 W	
03 K 12L-000 S3	RPC-3.50 open circuit, female, a = 29.9 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.20 dB @ 4 GHz to 26.5 GHz		
03 K 12S-000 S3	RPC-3.50 short circuit, female, a = 29.9 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.15 dB @ 4 GHz to 26.5 GHz		
03 K 12S-001 D3	RPC-3.50 short circuit, female, LRL calibration kit a = 28.8 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.15 dB @ 4 GHz to 26.5 GHz		
03 K 150-C10 S3	RPC-3.50 broadband load, calibration kit, female, a = 30.5 mm	≥ 40 dB @ DC to 4 GHz ≥ 30 dB @ 4 GHz to 26.5 GHz	0.5 W	
03 K 17R-001 D3	RPC-3.50 broadband load standard, female	≥ 36 dB @ DC to 4 GHz, ≥ 23 dB @ 4 GHz to 26.5 GHz	0.5 W	

complete calibration kits also available

RPC-2.92 Open - Short - Load

Ordering Number	Remarks	Return Loss	Power Handling	
02 S 12L-000 S3	RPC-2.92 open circuit, male, a = 30.9 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.20 dB @ 4 to 40 GHz		
02 S 12S-000 S3	RPC-2.92 short circuit, male, a = 30.9 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.20 dB @ 4 to 40 GHz		
02S 12S-001 D3	RPC-3.50 short circuit, male, LRL calibration kit a = 28.9 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.20 dB @ 4 GHz to 40 GHz		
02 S 150-C10 S3	RPC-2.92 broadband load, male, a = 31 mm	≥ 42 dB @ DC to 4 GHz ≥ 30 dB @ 4 to 40 GHz	0.5 W	
02 S 17R-001 D3	RPC-2.92 broadband load standard, male	≥ 36 dB @ DC to 4 GHz, ≥ 21 dB @ 4 GHz to 40 GHz	0.5 W	
02 K 12L-000 S3	RPC-2.92 open circuit, female, a = 29.9 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.20 dB @ 4 GHz to 40 GHz		
02 K 12S-000 S3	RPC-2.92 short circuit, female, a = 29.9 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.20 dB @ 4 GHz to 40 GHz		
02K 12S-001 D3	RPC-3.50 short circuit, female, LRL calibration kit a = 28.8 mm	≤ 0.10 dB @ DC to 4 GHz ≤ 0.20 dB @ 4 GHz to 40 GHz		
02 K 150-C10 S3	RPC-2.92 broadband load, calibration kit, female, a = 29.9 mm	≥ 42 dB @ DC to 4 GHz ≥ 30 dB @ 4 GHz to 40 GHz	0.5 W	
02 K 17R-001 D3	RPC-2.92 broadband load standard, female	≥ 36 dB @ DC to 4 GHz, ≥ 21 dB @ 4 GHz to 40 GHz	0.5 W	

complete calibration kits also available

RPC-2.40 Open - Short - Load

Ordering Number	Remarks	Return Loss	Power Handling	
09 S 12L-000 S3	RPC-2.40 open circuit, male, a = 30.3 mm	≤ 0.15 dB @ DC to 4 GHz ≤ 0.30 dB @ 4 GHz to 50 GHz		
09 S 12S-000 S3	RPC-2.40 short circuit, male, a = 31.4 mm	≤ 0.15 dB @ DC to 4 GHz ≤ 0.25 dB @ 4 GHz to 50 GHz		
09 S 150-C10 S3	RPC-2.40 broadband load, calibration kit, male, a = 26.5 mm	≥ 36 dB @ DC to 4 GHz ≥ 30 dB @ 4 GHz to 20 GHz ≥ 26 dB @ 20 GHz to 26.5 GHz ≥ 22 dB @ 26.5 GHz to 50 GHz	0.5 W	
09 K 12L-000 S3	RPC-2.40 open circuit, female, a = 30 mm	≤ 0.15 dB @ DC to 4 GHz ≤ 0.30 dB @ 4 GHz to 50 GHz		
09 K 12S-000 S3	RPC-2.40 short circuit, female, a = 32.1 mm	≤ 0.15 dB @ DC to 4 GHz ≤ 0.25 dB @ 4 GHz to 50 GHz		
09 K 150-C10 S3	RPC-2.40 broadband load, calibration kit, female, a = 27.3 mm	≥ 36 dB @ DC to 4 GHz ≥ 30 dB @ 4 GHz to 20 GHz ≥ 26 dB @ 20 GHz to 26.5 GHz ≥ 22 dB @ 26.5 GHz to 50 GHz	0.5 W	

complete calibration kits also available

RPC-1.85 Open - Short - Load

Ordering Number	Remarks	Return Loss	Power Handling	
08 S 12L-000 S3	RPC-1.85 open circuit, male, a = 30.3 mm	≤ 0.15 dB @ DC to 4 GHz ≤ 0.40 dB @ 4 GHz to 65 GHz		
08 S 12S-000 S3	RPC-1.85 short circuit, male, a = 32 mm	≤ 0.15 dB @ DC to 4 GHz ≤ 0.30 dB @ 4 GHz to 65 GHz		
08 S 150-C10 S3	RPC-1.85 broadband load, calibration kit, male, a = 26.5 mm	≥ 34 dB @ DC to 4 GHz ≥ 25 dB @ 4 GHz to 26.5 GHz ≥ 22 dB @ 26.5 GHz to 50 GHz ≥ 20 dB @ 50 GHz to 65 GHz	0.5 W	
08 K 12L-000 S3	RPC-1.85 open circuit, female, a = 30 mm	≤ 0.15 dB @ DC to 4 GHz ≤ 0.40 dB @ 4 GHz to 65 GHz		
08 K 12S-000 S3	RPC-1.85 short circuit, female, a = 32.7 mm	≤ 0.15 dB @ DC to 4 GHz ≤ 0.30 dB @ 4 GHz to 65 GHz		
08 K 150-C10 S3	RPC-1.85 broadband load, calibration kit, female, a = 27.3 mm	≥ 34 dB @ DC to 4 GHz ≥ 25 dB @ 4 GHz to 26.5 GHz ≥ 22 dB @ 26.5 GHz to 50 GHz ≥ 20 dB @ 50 GHz to 65 GHz	0.5 W	

complete calibration kits also available

RPC-1.00 Short - Load

Ordering Number	Remarks	Return Loss	Power Handling	
01 S 12S-000 D3	RPC-1.00 short circuit, male	≤ 0.20 dB @ DC to 20 GHz ≤ 0.50 dB @ 20 GHz to 50 GHz ≤ 0.75 dB @ 50 GHz to 75 GHz ≤ 1.00 dB @ 75 GHz to 110 GHz		
01 S 150-C10 D3	RPC-1.00 lowband load, calibration kit, male	≥ 36 dB @ DC to 4 GHz ≥ 30 dB @ 4 GHz to 18 GHz ≥ 28 dB @ 18 GHz to 22 GHz	0.5 W	
01 K 12S-000 D3	RPC-1.00 short circuit, female, a = 20.5 mm	≤ 0.20 dB @ DC to 20 GHz ≤ 0.50 dB @ 20 GHz to 50 GHz ≤ 0.75 dB @ 50 GHz to 75 GHz ≤ 1.00 dB @ 75 GHz to 110 GHz		
01 K 150-C10 D3	RPC-1.00 lowband load, calibration kit, female, a = 23 mm	≥ 36 dB @ DC to 4 GHz ≥ 30 dB @ 4 GHz to 18 GHz ≥ 28 dB @ 18 GHz to 22 GHz	0.5 W	

complete calibration kits also available