

Directional detectors and couplers



786D Coaxial Directional Detector

Instrument	Frequency range	Model	Price
Coax dual-directional couplers ; high directivity min. 40 db (30 db with 777D), low swr, low insertion loss; 50 w av., 10 kw peak.	215–450 MHz	774D	\$200
	450–940 MHz	775D	\$200
	940–1900 MHz	776D	\$200
	1900–4000 MHz	777D	\$250
Coax directional couplers , flat frequency response, high directivity, low swr, low insertion loss.	0.96–2.11 GHz	796D	\$200
	1.9–4.1 GHz	797D	\$200
	3.7–8.3 GHz	798C	\$225
Coax directional detectors , flat frequency response (0.5 db max. swept-frequency tested), high directivity (17–30 db), high sensitivity; ideal for leveling applications, especially useful with sweep oscillators; X781A for monitoring between coax source and waveguide system.	0.96–2.11 GHz	786D	\$300
	1.9–4.1 GHz	787D	\$300
	3.7–8.3 GHz	788C	\$325
	8–12.4 GHz	789C	\$350
	8–12.4 GHz	X781A	\$350
Waveguide directional couplers , high coupling accuracy (3, 10, 20 db), directivity better than 40 db, low swr; S- through R-Bands.	2.6–40 GHz	752A, C, D	\$125–\$450
Crossguide directional couplers ; 20, 30 db coupling; high accuracy, low swr, save space, weight; S- through X-Bands.	2.6–12.4 GHz	750D, E	\$60–\$150

Terminations, shorts, loads and reflections

Instrument	Frequency range	Model	Price
Coax terminations , the 906A movable low-reflection load for terminating 50-ohm systems; 908A non-movable; low swr (less than 1.05).	1–12.4 GHz	906A	\$325
	dc–4 GHz	908A	\$ 35
Waveguide terminations ; low swr (typically 1.015 to 1.04); permit matched load; S- through P-Bands.	2.6–18 GHz	910A, B	\$35–\$75
High-power waveguide termination ; 500 w average power, peak power 100 kw.	8.2–12.4 GHz	X913A	\$100
Waveguide shorting switch to provide removable short circuit in waveguide system.	8.2–12.4 GHz	X930A	\$160
Waveguide adjustable shorts , S- through R-Bands, (except X-Bands, see below), provide reference point in system.	2.6–40 GHz	920A, B	\$85–\$155
Waveguide movable short for fast phasing and reference plane independent of frequency; ideal for swept-frequency applications.	8.2–12.4 GHz	X923A	\$ 75
Waveguide movable loads , S- through R-Band; max. swr 1.01.	2.6–40 GHz	914A, B	\$60–\$250
Waveguide standard reflections , for standardizing swr-measuring set-ups.	8.2–12.4 GHz	X916A-E	\$125

Tuners, phase shifters

Instrument	Frequency range	Model	Price
Coax slide-screw tuner for correcting discontinuities or flattening waveguide, coax systems; match loads, bolometers, antennas to impedance; correctable swr 5; insertion loss at max. correctable swr 0.5 db; characteristic Z 50 ohms.	500–4000 MHz	872A	\$525
Waveguide slide-screw tuners for correcting discontinuities, matching loads, terminations, bolometers, antennas to characteristic impedances; S-through R-Bands.	2.6–40 GHz	870A	\$130–\$300
Waveguide phase shifters , full 360-electrical-degree range; direct-reading, high accuracy; J-, X-, P-Bands.	5.3–8.2 GHz	J885A	\$550
	8.2–12.4 GHz	X885A	\$425
	12.4–18 GHz	P885A	\$600