

## CONTINUOUS WAVE POWER SENSOR

## CPS00232 SERIES

Although a variety of instruments measure power, the most accurate instrument is a power meter and a sensor. The sensor is an RF power-to-voltage transducer. Specifications of CPS00232 Series

Standard Continuous Wave Power Sensor					
Model	Frequency range Power Range	Max. Power	Power Linearity	VSWR	input connector form
CPS1123 2	10MHz~18GHz 60dBm~+20dBm	+23dB m	- 20dBm~+20dBm: ±0.05dB/10dB Else: 0.00dB	10MHz~2GHz:1.12 2GHz~12.4GHz: 1.22 12.4GHz~18GHz:1.2 9	N(m)
CPS2123 2	26.5GHz~40GH z - 50dBm~+20dBm	+25dB m	- 20dBm~+20dBm: ±0.09dB/10dB Else: 0.00dB	1.4	input connector:  W2-28 UG-599 calibration connector: N(m)
CPS5123 2	50MHz~26.5GH z - 60dBm~+20dBm	+23dB m	- 20dBm~+20dBm: ±0.05dB/10dB Other: 0.00dB	50MHz~2GHz:1.12 2GHz~12.4GHz:1.22 12.4GHz~18GHz:1.3 8 18GHz~26.5GHz:1.4 3	3.5mm(m)
CPS7123 2	50MHz~40GHz - 60dBm~+18dBm	+20dB m	- 20dBm~+20dBm: ±0.09dB/10dB Other: 0.00dB	50MHz~2GHz:1.12 2GHz~12.4GHz:1.22 12.4GHz~18GHz:1.3 8 18GHz~26.5GHz:1.4 3 26.5GHz~40GHz:1.8 9	2.4mm(m)

Model	Frequency range	Power Range	Max. Power	input connector form
CPS11232A(1W)	10MHz~18GHz	-50dBm~+30dBm	+30dBm	N(m)
CPS51232A(1W)	50MHz~26.5GHz	-50dBm~+30dBm	+30dBm	SMA(m)
CPS11232B(5W)	10MHz~18GHz	-40dBm~+37dBm	+37dBm	N(m)
CPS11232C(25W)	10MHz~18GHz	-30dBm~+44dBm	+44dBm	N(m)
CPS51232C(25W)	50MHz~26.5GHz	-30dBm~+44dBm	+44dBm	3.5mm(m)
CPS11232D(50W)	10MHz~18GHz	-30dBm~+47dBm	+47dBm	N(m)
CPS11232E(100W)	10MHz~18GHz	-30dBm~+50dBm	+50dBm	N(m)

Model	Frequency range Power Range	max. power	power linearity	VSWR	input connector form
CPS41232	50MHz~18GHz CW: - 30dBm~+20dBm PEAK: - 20dBm~+20dBm	+23dBm	- 20dBm~+20dBm: ±0.05dB/10dB Else: 0.00dB	50MHz~2GHz:1.12 2GHz~12.4GHz:1.22 12.4GHz~18GHz:1.37	N(m)
CPS61232	50MHz~26.5GHz CW: - 30dBm~+20dBm PEAK: - 20dBm~+20dBm	+23dBm	- 20dBm~+20dBm: ±0.05dB/10dB Else: 0.00dB	50MHz~2GHz:1.12 2GHz~12.4GHz:1.22 12.4GHz~18GHz:1.37 18GHz~26.5GHz:1.43	3.5mm(m)
CPS81232	50MHz~40GHz CW: - 30dBm~+20dBm PEAK: - 20dBm~+18dBm	+20dBm	- 20dBm~+20dBm: ±0.09dB/10dB Else: 0.00dB	50MHz~2GHz:1.12 2GHz~12.4GHz:1.22 12.4GHz~18GHz:1.37 18GHz~26.5GHz:1.43 26.5GHz~40GHz:1.89	2.4mm(m)

CPS00232 Series Peak High-Power Sensor				
Model	Frequency range	Power Range	max. power	Input Connector form
CPS41232(1W)	50MHz ~ 18GHz	CW: -20dBm~+30dBm PRAK: -10dBm ~ +30dBm	+30dBm	N(m)
CPS61232(1W)	50MHz ~ 26.5GHz	CW: -20dBm ~ +30dBm PEAK: -10dBm ~ +30dBm	+30dBm	SMA(m)
CPS41232(5W)	50MHz ~ 18GHz	CW: -10dBm ~ +30dBm PEAK: 0dBm ~ +37dBm	+37dBm	N(m)
CPS41232(25W)	50MHz ~ 18GHz	CW: 0dBm ~ +44dBm PEAK: +10dBm ~ +44dBm	+44dBm	N(m)
CPS61232(25W)	50MHz ~ 26.5GHz	CW: 0dBm ~ +44dBm PEAK: +10dBm ~ +44dBm	+44dBm	3.5mm(m)
CPS41232(50W)	50MHz ~ 18GHz	CW: 0dBm ~ +47dBm PEAK: +10dBm ~ +47dBm	+47dBm	N(m)
CPS41232(100W)	50MHz ~ 18GHz	CW: 0dBm ~ +50dBm PEAK: +10dBm ~ +50dBm	+50dBm	N(m)