

C-Band SSPA

5760/5712H

SPECIFICATIONS

Frequency range	5.850 to 6.425 GHz	Control	Mute
Output power @ 1 dB GCP			Gain
5760	+47.8 dBm (60 W) typical +47.0 dBm (50 W) minimum	Summary alarm	High/low power thresholds
5712H	+50.8 dBm (120 W) typical +50.0 dBm (100 W) minimum	Alarm logic levels	Over temperature
Third order intermodulation products (2 equal carriers each @ 6 dB OPBO from 1 dB GCP)	-26 dBc maximum	Serial interface	FET failure
Gain		Data rate	Low/high RF power
Gain @ rated output power	65 dB minimum (0 dB SSPA attenuator setting)	DC outputs	Dry relay contacts
Gain variation		Main output	RS232/RS422/RS485
5.850 to 6.425 GHz	±1.0 dB maximum	Auxiliary output	300/1200/2400/9600 bit/s
Any 40 MHz band	±0.3 dB maximum	Total capacity	
Gain stability	±1.5 dB maximum, -40°C to +55°C	Power supply	
Gain adjustment	0 dB to -20 dB in 0.2 dB steps	Voltage	104 to 274 V AC, 47 to 63 Hz
Noise power (@ max gain)	-90 dBm/Hz maximum	Consumption	
AM/PM conversion (@ 1 dB OPBO from 1 dB GCP)	2°/dB maximum	5760	460 VA typical
Spurious output (@ rated output power, in band)	-65 dBc maximum	5712H	740 VA typical
Harmonics (@ rated output power)	-50 dBc maximum	Connectors	
Group delay (over 40 MHz)		RF input	N female, 50 Ω
Linear	0.03 ns/MHz	RF output	CPR137G flange (8 holes, M5 x 8 mm deep)
Parabolic	0.003 ns/MHz ²	RF monitor	N female, 50 Ω
Ripple	1 ns p-p	Monitor and control	MS3114E14-19P
VSWR		AC input	Amphenol T3110 000
Input	1.3:1 maximum	-48 V DC outputs	MS3114E8-25
Output	1.25:1 maximum	Operating environment	
Protection	Over temperature shutdown Output isolator	Operating temperature range	-40°C to +55°C
Monitor and control		Relative humidity	100%
Monitor	RF power meter RF monitor @ -41 dBc nominal FET flange temperature Internal supply rail voltages Status and alarms	Sealing	IP66
		Cooling	Forced air
		Mechanical	
		Size	280 mm W x 355 mm D x 495 mm H
		Weight	27 kg

CE 0682

CETECOM™

Specifications subject to change without notice or obligation



Mike Termondt
 Phone: 1.805.649.1384 Fax: 1.805.500.4328
 mike@satcom-services.com
 25 Creek Lane
 Oak View, CA 93022 USA