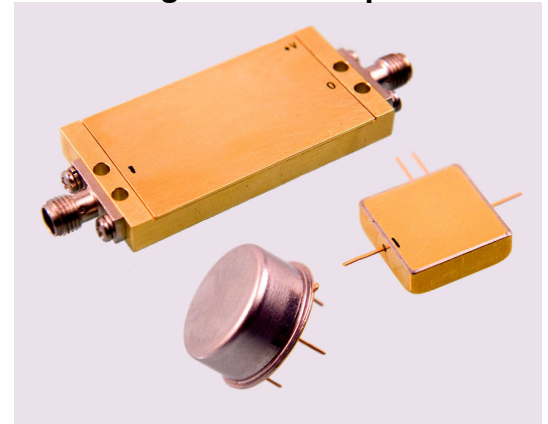


ASC2712C

0.5-60 MHz High Power Amplifier



Features: (typical values)

- Output Power +28 dBm.
- Low Noise 3.0 dB.
- High IP3 +45 dBm
- Low VSWR 1.8:1.

Maximum Ratings

- Storage Temperature -62°C to +125°C
- DC Voltage +12 volts
- RF Input Power +20 dBm.
- Case Temperature +95°C

Specifications (Referenced to 50 ohms)

Parameter	Typical Conditions	Min Value	Max Value	Units
Frequency		0.5	60	MHz.
Gain	17	15		dB.
Gain Flatness	±0.3		±0.5	dB.
Pout @ 1dB Comp	+29.0	+28.0		dBm.
NF	3.0		3.5	dB.
Reverse Isolation	25.0			dB.
IP ₃ /IP ₂ (two-tone)	45/60			dBm.
VSWR In/Out	1.8:1		2.0:1	
Supply Required	+12/200		+12/250	v/mA.

Min. and max. values are from -54°C to +85°C

