



ZWG-CA100F-NMNF

N-type terminated wideband 30dB fixed attenuator

DC - 6 GHz



Design Features:

- Wideband operation from DC~6 GHz
- High power handling of up to 100 Watts
- Outstanding attenuation flatness of ± 0.65 dB
- Heat dissipating fin design for efficient temperature management



Specifications	
Frequency range	DC- 6 GHz
Power handling	Up to 100 Watts
Peak power	1 Kilowatt - 5 μ second pulse 0.05% duty cycle
VSWR	1.25:1 - typical
Terminations	N-male and N-female
Attenuation flatness	± 0.65 dB
Dimensions - diagram on next sheet	87.88mm (B) x 87.88mm (C) x 161.54mm (D) 44.45mm (F) x 5.84mm (G)
Weight	1100grams
Operating temperature	-55°C to 100°C
Storage temperature	-55°C to 125°C
RoHS Compliant	Yes

Parameter	Condition - MHz	Minimum	Typical	Maximum	Unit
Frequency range		DC	-	6000	MHz
Attenuation	DC~6000	28.5	30	31.5	dB
VSWR	DC~2500 2500~6000	- -	1.15 1.30	1.35 1.45	:1
Input power (male)	DC~6000	-	-	100	Watts
Input power (female)	DC~6000	-	-	20	Watts

Note: Derate linearly to 20 Watts at 100°C



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Typical Performance Data

Frequency - MHz	Attenuation - dB	VSWR
0.3	29.55	1.03:1
500	29.70	1.09:1
1000	29.83	1.14:1
1500	29.93	1.18:1
2000	30.02	1.22:1
2500	29.93	1.29:1
3000	29.89	1.29:1
3500	29.91	1.15:1
4000	29.97	1.13:1
5000	30.24	1.25:1
6000	30.65	1.18:1

