



Apex Microwave Co. LTD

Web: www.apextech-mw.com E-mail: sales@apextech-mw.com TEL: [+86-28-85555062](tel:+86-28-85555062)

Add: Yuehu Technology Center, Wuhou District, Chengdu, Sichuan, China

Directional Coupler APC575M6000MxNF

Revision record

Date	Version	Author	Revision description	Comment
2024/09/11	V1.0	Vivian	Created	/

Electrical specification

Parameter	Specifications								
Frequency range	575-6000MHz								
Coupling(dB)	5	6	7	8	10	13	15	20	30
IL(dB)	≤2.3	≤1.9	≤1.5	≤1.4	≤1.1	≤0.7	≤0.6	≤0.4	≤0.3
Accuracy(dB)	±1.4	±1.4	±1.5	±1.5	±1.5	±1.6	±1.6	±1.7	±1.8
Isolation(dB)									
575-2700MHz	≥24	≥25	≥26	≥27	≥29	≥32	≥33	≥37	≥47
2700-3800MHz	≥22	≥23	≥24	≥25	≥27	≥30	≥32	≥35	≥45
3800-4800MHz	≥20	≥21	≥22	≥23	≥25	≥28	≥30	≥33	≥42
4800-6000MHz	≥17	≥18	≥19	≥20	≥22	≥25	≥27	≥30	≥40
VSWR	≤1.30(600-2700MHz) ≤1.35(2700-6000MHz)								



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PIM(dBc)	$\leq -150\text{dBc}@2*43\text{dBm}$ (698-2700MHz)
Power(W)	200W/Port
Temperature range	-30°C to +65°C
Impedance	50 Ω

Mechanical specification

Dimension	See drawing
Inner box size	180x80x30mm
Connectors	N-Female
Weight	0.28kg
Finish	Grey/Black/White
Humidity	5%-95%
Application	Indoor or Outdoor IP65
Notes	Material shall be RoHS 6/6

Outline

