

Ka-Band Waveguide Ortho-Mode Transducer (OMT)

WR42/WR28 Waveguide Ortho-Mode Transducer 2-port
17.7 GHz to 21.2 GHz/27.5 GHz to 31.0GHz
Cross Linear Polarization

Model: DH-OMT-Ext.Ka-RT-X-01

Frequency Range	Rx 17.7 to 21.2 GHz / Tx 27.5 to 31.0GHz
VSWR	1.25:1
Insertion Loss	Tx 0.1 dB / Rx 0.15 dB
Cross pol	35 dB
Isolation between Ports 1 to 2 (Tx Freq)	35 dB min.
Power handling	max. 500 W CW each port
Waveguide size	R220 / WR42, R320 / WR28,
Flanges Port 1,2	FBP220 / FBP320
Common Port	Circular waveguide ϕ 11.2mm
Material	Aluminum, conductive oxidation
Finish	Black/White Paint (standard)
Operating Temperature	-40° C to 70° C
Additional Feature	I-type rotary joint with integrated drive system are available Additional Feature for polarization control adjustment (Option)



● Outline Drawing

