

Model UCL-MT

Narrowband Mismatch Termination

2W-10kW with 5% bandwidth



Coaxial mismatch termination provides one phase-variable reflection coefficient in RF system and are used in performance test of power amplifier by simulating special reflect condition of antenna or terminal system. According to phase and VSWR variable or not, mismatch terminations include: fixed VSWR mismatch terminations, VSWR variable mismatch terminations, phase-variable coaxial mismatch termination, phase-VSWR-variable coaxial mismatch termination.

UCL-MT serial fixed VSWR mismatch termination's average power from 2W-10KW, frequency range is decided according to Customer's demand and narrow band $\pm 5\%$, VSWR 1.5-5.

NOMINAL IMPEDANCE: 50 Ω

TEMPERATURE RANGE: -55 $^{\circ}\text{C}$ ~ +125 $^{\circ}\text{C}$

Model Number	Average Power(W)	Frequency Range(GHz)	VSWR	Connector type	Dimensions (mm)	Weight (kg)
UCL-MT2	2	$f_0 \pm 5\%$	1.5,2,2.5,3,3.5,4,4.5,5	N,SMA,BNC,TNC	$\phi 20 \times 53$	0.05
UCL-MT50	50	$f_0 \pm 5\%$		N,SMA,BNC,TNC	$60 \times 60 \times 115$	0.5
UCL-MT100	100	$f_0 \pm 5\%$		N,SMA,BNC,TNC	$76 \times 76 \times 210$	1.65
UCL-MT150	150	$f_0 \pm 5\%$		N	$76 \times 76 \times 210$	1.5
					$60 \times 100 \times 250$	2.7
UCL-MT200	200	$f_0 \pm 5\%$		N	$60 \times 100 \times 250$	2.7
UCL-MT250	250					
UCL-MT300	300	$f_0 \pm 5\%$	1.5,2,2.5,3,3.5,4	N	$60 \times 100 \times 300$	3.5
UCL-MT400	400	$f_0 \pm 5\%$		N	$130 \times 140 \times 340$	7.2
UCL-MT500	500	$f_0 \pm 5\%$		N	$130 \times 140 \times 420$	9.3
UCL-MT800	800	$f_0 \pm 5\%$		N,L29,IF45	$140 \times 255 \times 500$	17.5
UCL-MT1000	1000					
UCL-MT2000	2000	$f_0 \pm 5\%$		L29,IF45	$190 \times 580 \times 610$	27
UCL-MT3000	3000	$f_0 \pm 5\%$		L29,L36	$310 \times 630 \times 700$	68
UCL-MT5000	5000	$f_0 \pm 5\%$		L29,L36	$500 \times 620 \times 1260$	110
UCL-MT10000	10000	$f_0 \pm 5\%$		L36,L52	$500 \times 620 \times 1260$	110

* Connector type and VSWR according to customer demand, accuracy $\pm 2\%$

** Frequency Range optional and narrowband