

TECHNICAL SPECIFICATION

1. GENERAL

1.1 Scope

Product Name	Part Number
Hybrid Combiner 698-3800MHz N-Female	103000046

2. CONSTRUCTION and PARAMETERS

2.1 Product Construction



2.2 Electrical Specifications

Description	Hybrid Combiner 698-3800MHz N-Female
Frequency Range (MHz)	698-3800
Insertion Loss (dB)	3 ± 0.7
Isolation (dB)	≥ 23
Return Loss (dB)	≥ 18
VSWR (dB)	≤ 1.3
Intermodulation IM3 (dBc)	≤ -153 (with $2 \times 43W$)
Impedance (Ohm)	50 Ω
Maximum Power Per Input (Watt)	300

2.3 Physical Specifications

Connector Type	N Female
Number of Input Ports	2

Number of Output Ports	1
Combiner Dimensions (mm)	247×224×61
Combiner Weight (kg)	1
Brackets Material	Stainless Steel
Color	Grey (ML440c) OR Black

2.4 Environmental Specifications

Storage Temperature (°C)	-25 ~ +70
Operating Temperature (°C)	-25 ~ +70
Relative Humidity (%)	5 ~ 95
Application	Indoor/Outdoor
IP Rating	IP67
Lightning Protection	3kA (10/350us Pulse)