

H-3-TCPUSE-N

Hybrid Coupler, 380–2700 MHz



OBSOLETE

This product was discontinued on: March 30, 2016

Replaced By:

H-3-TCPUSE-43-AI6	Low PIM Air Dielectric Hybrid Coupler, 340–2700 MHz
H-3-TCPUSE-N-AI6	Low PIM Air Dielectric Hybrid Coupler, 340–2700 MHz

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Product Type	Hybrid coupler

General Specifications

Device Type	Hybrid
Application	Indoor/Outdoor
Color	Black
Inner Contact Plating	Silver
Interface	N Female
Outer Contact Plating	Trimetal

Dimensions

Height	25 mm 0.984 in
Width	89 mm 3.504 in
Length	200 mm 7.874 in

Electrical Specifications

3rd Order IMD	-140 dBc
----------------------	----------

H-3-TCPUSE-N

3rd Order IMD Test Method	Two +43 dBm carriers
Insertion Loss at Frequency Band	0.3 dB @ 380–2700 MHz
Return Loss, minimum	19 dB
Average Power, maximum	120 W
Coupling	3.1 dB
Coupling Tolerance	±0.8dB
Impedance	50 ohm
Isolation at Frequency Band	23 dB @ 380–2700 MHz
Operating Frequency Band	380 – 2700 MHz
Peak Power, maximum	1 kW
Reflected Power, maximum	120 W
VSWR	1.25

Environmental Specifications

Operating Temperature	-25 °C to +85 °C (-13 °F to +185 °F)
Relative Humidity	Up to 100%
Ingress Protection Test Method	IEC 60529:2001, IP65

Packaging and Weights

Height, packed	40 mm 1.575 in
Width, packed	100 mm 3.937 in
Length, packed	230 mm 9.055 in
Volume	920 cc 56.142 in ³
Weight, gross	0.85 kg 1.874 lb
Weight, net	0.78 kg 1.72 lb